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### Hispacold Blowers & Controllers Replacements (Tonada Brushless Blowers & Controllers)











							Reference NO		÷
	02.24.07	RA24BL002-B10-2SP-01 (2 Speeds) RA24BL002-B10-VSP-01 (2 Speed/Variable Speed)		Max Airflow: 700m <sup>3</sup> /h Current Input: 5.7A	Hispacold blower Assy, Irizar W/Sp Cont		HISP5300068 HISP5300067 5300080	Max Airflow: 670m <sup>3</sup> /h Current Input: 6.2A	Black
	02.24.R18	RA24BL003-B01-VSP-R01 (2 Speeds/Variable Speed)		Max Airflow: 660m <sup>3</sup> /h Current Input: 5.3A	Hispacold blower Assy, Irizar W/Sp Cont, O/S		HISP5300065 HISP5300084	Max Airflow: 580m <sup>3</sup> /h Current Input: 6.5A	Black
	02.24.L13	RA24BL003-B01-VSP-L01 (2 Speeds/Variable Speed)		Max Airflow: 660m <sup>3</sup> /h Current Input: 5.3A	Hispacold blower Assy, Irizar W/Sp Cont, N/S		HISP 5300066 HISP5300085	Max Airflow: 580m <sup>3</sup> /h Current Input: 5.0A	Black
	04.24.07	RA24BLMC002-B10-VSP-01 Speed controller: 2 Speeds/Variable Speed		Reference Tonada P/N:02.24.07; P/N:02.24.R18; P/N:02.24.L13	Used in double wheel (HISP5300067/HISP5300068 ) & Single wheel (HISP5300065/HISP5300066 ).		HISP3200627 HISP3200696	Hispacold Speed controller	
	03.24.07	AX24BLMC004-S255-VSP-01 Speed controller: 1 Speed/Variable Speed		Used for Hispacold Condenser Fan Motor (HISP5300069).	Speed controller VSP		HISP3200662 HISP3200697	Hispacold Speed controller VSP	
	05.24.01	HCFM-01 (BLDC)		Replace Hispacold Condenser Fan Motor (HISP5300069).	Brushless Condenser Fan Motor		HISP5300069 HISP3050071	Hispacold Condenser Fan Motor	
	05.24.01- blade11"	Tonada 4232250 blade11"		Hispacold 4232250 blade11" replacement	Hispacold 4232250 blade11" replacement		HISP 4232250	Used for Hispacold Motor 5300069 & 3050071 and Tonada BLDC Motor P/N: 05.24.01.	

### Spal Fans & Blowers Replacements (Tonada Brushless Fans & Blowers)

	Our Part NO.	Model	Actual Price	Technical Parameters	Description		Reference NO.	Technical Parameters	Remark
	02.24.01	RA24BL001-B40-3SP-02 (3 Speeds)		Max Airflow: 1050m <sup>3</sup> /h Current Input: 8.5A	EC Centrifugal blower (3 Speeds)		006-B40-22 006-B45-22	Max Airflow: 1050m <sup>3</sup> /h Current Input: 13.5A	24V
	02.12.01	RA12BL001-B40-3SP-02 (3 Speeds)		Max Airflow: 1050m <sup>3</sup> /h Current Input: 15A			006-A45-22	Max Airflow: 1050m <sup>3</sup> /h Current Input: 17.4A	12V
	02.24.02	RA24BL001-B40-VSP-02 (Variable Speed)		Max Airflow: 1050m <sup>3</sup> /h Current Input: 9.7A	EC Centrifugal blower (Variable Speed)		020-BBL 303-95 006-B50/IET-22	Max Airflow: 1100m <sup>3</sup> /h Current Input: 11.0A	24V
	02.12.02	RA12BL001-B40-VSP-02 (Variable Speed)		Max Airflow: 1050m <sup>3</sup> /h Current Input: 15.0A			020-KBL 140-95 Spal 30007014	Max Airflow: 1100m <sup>3</sup> /h Current Input: 15.0A	12V

	02.24.05	RA24BL001-B40-VSP-02 (Variable Speed)		Max Airflow: 1050m3/h Current Input: 9.7A	EC Centrifugal blower (Variable Speed)		019-BBL301-95 Spal30007007 009-B50/IET-22	Max Airflow: 1100m3/h Current Input: 13A	24V
	02.24.09 02.24.10	RA24BL005-B10-3SP-01 (3 Speeds) RA24BL005-B10-VSP-01 (Variable Speed)		Max Airflow: 700m3/h Current Input: 5.7A	EC Centrifugal blower (3 Speeds) (Variable Speed)		008-B45-02	Max Airflow: 750m3/h Current Input: 8.2A	24V
	01.24.24	AX24BL010C-S305-VSP-01X (Suction,Variable Speed)		Max Airflow:3000m3/h Current Input: 9.8A	EC Axial Fan (Condenser Fan) , Suction		VA89-BBL305-94A VA89-BBL305P/N-94A VA89-BBL343P/N-94A	Max Airflow:3000m3/h Current Input: 10A	24V
	01.12.23	AX12BL010C-S305-VSP-02 (Suction,Variable Speed)		Max Airflow:2760m3/h Current Input: 14.0A	EC Axial Fan (Condenser Fan) , Suction		VA89-ABL300-94A VA89-ABL302P/N-94A	Max Airflow:2700m3/h Current Input: 14A	12V
	01.24.02	AX24BL009C-B305-VSP-02 (Blowing,Variable Speed)		Max Airflow: 2850m <sup>3</sup> /h Current Input: 8.5A	EC Axial Fan (Condenser Fan) , Blowing		VA89-BBL305-94A	Max Airflow: 3000m3/h Current Input: 10A	24V
	01.24.03	AX24BL009C-B305-2SP-02 (Blowing,1Speed/2Speeds)		Max Airflow: 2830m3/h Current Input: 8.5A	EC Axial Fan (Condenser Fan) Blowing		VA01-BP70/LL-79S	Max Airflow: 2850m3/h Current Input: 9.6A	24V
	01.24.12	AX24BL004C-S305X-2SP-02 (Suction,1Spees/2Speeds)		Max Airflow: 2700m3/h Current Input: 6.5A	EC Axial Fan (Condenser Fan) Suction		VA34-BP70/LL-36A	Max Airflow: 2580m3/h Current Input: 8.2A	24V
	01.24.15	AX24BL004C-S305-2SP-02 (Suction,1Spees/2Speeds)		Max Airflow: 2900m3/h Current Input: 7A	EC Axial Fan (Condenser Fan) Suction		VA01-BP70/LL-36A	Max Airflow: 2900m3/h Current Input: 7.4A	24V
	01.24.14	AX24BL004C-B305-2SP-02 (Blowing,1Speed/2Speeds)		Max Airflow: 2500m3/h Current Input: 7A	EC Axial Fan (Condenser Fan) Blowing		VA01-BP70/LL-36S	Max Airflow:2490m3/h Current Input:8.8A	24V

	01.24.23 01.24.25	AX24BL010C-S305-2SP-02 (Suction,1Spees/2SPeeds) AX24BL010C-S305-VSP-02 (Suction,Variable Speed)		Max Airflow:2760m3/h Current Input: 7.3A	EC Axial Fan (Condenser Fan) , Suction		VA01-BP70/LL-66A (Suction)	Max Airflow: 2750m3/h Current Input: 8.6A	24V
	01.12.25	AX12BL010C-S305-2SP-02 (Suction,1Spees/2SPeeds)		Max Airflow:2760m3/h Current Input: 13.5A	EC Axial Fan (Condenser Fan) , Suction				12V
	01.24.26 01.24.27	AX24BL010C-S305W-2SP-02 (Suction,1Spees/2SPeeds) AX24BL010C-S305W-VSP-02 (Suction,Variable Speed)		Max Airflow:2760m3/h Current Input: 7.3A	EC Axial Fan (Condenser Fan) , Suction		VA51-BP70/LL-69A (Suction)	Max Airflow: 2770m3/h Current Input: 7.9A	24V
	01.24.32	AX24BL004C-B280-2SP-02 (Blowing,1Speed/2SPeeds)		Max Airflow: 2410m3/h Current Input: 6.8A	EC Axial Fan (Condenser Fan), Blowing		VA03-BP70/LL-37S	Max Airflow: 2310m3/h Current Input: 6.2A	24V
	01.24.37	AX24BL004C-S280-2SP-02 (Suction,1Speed/2Speed)		Max Airflow: 2540m3/h Current Input: 6.7A	EC Axial Fan (Condenser Fan) Suction		VA03-BP70/LL-37A	Max Airflow: 2480m3/h Current Input: 7.0A	24V
	01.12.42	AX12BL004C-B225-2SP-02 (Blowing,1Speed/2SPeeds)		Max Airflow: 1160m3/h Current Input: 2.4A	EC Axial Fan (Condenser Fan) Blowing			Max Airflow: 1060m3/h Current Input: 3.5A	12V
	01.24.42	AX24BL004C-B225-2SP-02 (Blowing,1Speed/2SPeeds)		Max Airflow: 1160m3/h Current Input: 2.4A	EC Axial Fan (Condenser Fan) Blowing		VA07-BP7/C-31S VA07-BP12/C-58S	Max Airflow: 1060m3/h Current Input: 3.5A	24V
	01.24.46	AX24BL004C-S225-2SP-02 (Suction,1Speed/2SPeeds)		Max Airflow: 1160m3/h Current Input: 2.4A	EC Axial Fan (Condenser Fan) Suction		VA07-BP12/C-58A VA07-BP7/C-31A		24V
	01.12.46	AX12BL004C-S225-2SP-02 (Suction,1Speed/2 Speeds)		Max Airflow: 1300m3/h Current Input: 7.0A	EC Axial Fan (Condenser Fan) Suction		VA07-AP12/C-58A VA07-AP7/C-31A VA07-AP8/C-58A		12V

	01.24.09	AX24BL009C-B305-2SP-01 (Blowing,1Speed/2Speeds)		Max Airflow: 3200m3/h Current Input: 12.0A	EC Axial Fan (Condenser Fan) Blowing		VA01-BP90/LL-79S	Max Airflow: 3260m3/h Current Input: 13.0A	24V
	01.24.05	AX24BL009C-B305-2SP-03 (Blowing,1Speed/2Speeds)		Max Airflow: 2520m3/h Current Input: 5.7A	EC Axial Fan (Condenser Fan) Blowing		VA34-BP70/LL-79S VA34-BP70/LL-36S	Max Airflow: 2490m3/h Current Input: 8.8A	24V
	01.24.52	AX24BL010C-S305-2SP-01 (Suction,1Speed/2Speeds)		Max Airflow:2860m3/h Current Input: 8.0A	EC Axial Fan (Condenser Fan) Suction		VA01-BP70/LL-36A VA51-BP70/LL-69A	Max Airflow: 2900m3/h Current Input: 9.4A	24V
	01.12.37	AX12BL004C-S280-2SP-02 (Suction,1Speed/2Speeds)		Max Airflow: 2200 m3/h Current Input: 12.1A	EC Axial Fan (Condenser Fan) Suction		VA03-AP70/LL-68A	Max Airflow: 2200m3/h Current Input: 12.3A	12V
	01.24.55	AX24BL011-S190-VSP-02 (Suction,Variable Speed)		Max Airflow: 260 m3/h Current Input: 1.3A	EC Axial Fan (Condenser Fan) Suction		VA14-BP7/C-34A		24V

**Spal Fans & Blowers Replacements (Tonada DC Fans & Blowers with brush)**




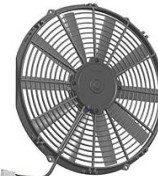


	02.24.01B	RA24B001-B40-3SP-02		Max Airflow: 1155m3/h Current Input: 12.1A	Evaporator Blower (3 Speeds)		006-B40-22 006-B45-22 006-B46-22	Max Airflow: 1160m3/h Current Input: 13.5A	24V
	02.12.01B	RA12B001-B40-3SP-02		Max Airflow: 1160m3/h Current Input: 24.3A	Evaporator Blower (3 Speeds)		006-A40-22 006-A45-22 006-A46-22	Max Airflow: 1080m3/h Current Input: 25A	12V
	02.24.02B	RA24B001-B40-3SP-01		Max Airflow: 1220m3/h Current Input: 15A	Evaporator Blower (3 Speeds)		006-B39-22 006-B50-22	Max Airflow: 1200m3/h Current Input: 16A	24V
	02.24.12B	RA24B004-B10-3SP-01		Max Airflow: 1170m3/h Current Input: 15.8A	Evaporator Blower (3 Speeds)		009-B39-22 009-B40-22	Max Airflow: 1170m3/h Current Input: 15.8A	24V
	02.12.12B	RA12B004-B10-3SP-01		Max Airflow: 1180m3/h Current Input: 33A	Evaporator Blower (3 Speeds)		009-A39-22 009-A40-22	Max Airflow: 1180m3/h Current Input: 33A	12V















	02.24.03B	RA24B006-B20-3SP-01		Max Airflow: 770m3/h Current Input: 7.9A	Evaporator Blower (3 Speeds)		SPAL: 008-B39-02 008-B40-02	Max Airflow: 770m3/h Current Input: 7.9A	24V
	02.12.03B	RA12B006-B20-3SP-01		Max Airflow: 750m3/h Current Input: 18.6A	Evaporator Blower (3 Speeds)		SPAL: 008-A39-02 008-A40-02	Max Airflow: 810m3/h Current Input: 20.7A	12V
	02.24.09B	RA24B005-B10-3SP-01 (3 Speeds)		Max Airflow: 745m3/h Current Input: 8.1A	Evaporator Blower (3 Speeds)		SPAL: 008-B45-02 008-B46-02	Max Airflow: 750m3/h Current Input: 8.2A	24V
	02.12.09B	RA12B005-B10-3SP-01 (3 Speeds)		Max Airflow: 750m3/h Current Input: 18.6A	Evaporator Blower (3 Speeds)		SPAL: 008-A45-02 008-A46-02	Max Airflow: 690m3/h Current Input: 15.1A	12V
	02.12.10B	RA12B006-B10-3SP-01 (3 Speeds)		Max Airflow: 845m3/h Current Input: 22A	Evaporator Blower (3 Speeds)		SPAL: 008-A54-02	Max Airflow: 920m3/h Current Input: 29A	12V
	02.24.04B	RA24B004-B01-3SP-01 (3 Speeds)		Max Airflow: 1170m3/h Current Input: 15.8A	Evaporator Blower (3 Speeds)		SPAL: 009-B45-22 009-B46-22	Max Airflow: 1010m3/h Current Input: 11.2A	24V
	02.12.04B	RA12B004-B01-3SP-01 (3 Speeds)		Max Airflow: 1010m3/h Current Input: 22.6A	Evaporator Blower (3 Speeds)		SPAL: 009-A45-22 009-A46-22	Max Airflow: 1180m3/h Current Input: 22.6A	12V
	02.24.05B	RA24B004-B20-3SP-01 (3 Speeds)		Max Airflow: 1230m3/h Current Input: 15.6A	Evaporator Blower (3 Speeds)		SPAL: 009-B50-22	Max Airflow: 1230m3/h Current Input: 15.6A	24V
	02.24.06B	RA24B001-B17-3SP-01 (3 Speeds)		Max Airflow: 1100m3/h Current Input: 14A	Evaporator Blower (3 Speeds)		SPAL: 017-B40-73 017-B46-73	Max Airflow: 1100m3/h Current Input: 14A	24V
	02.12.06B	RA12B001-B17-3SP-01 (3 Speeds)		Max Airflow: 1010m3/h Current Input: 22.6A	Evaporator Blower (3 Speeds)		SPAL: 017-A40-73 017-A46-73	Max Airflow: 1180m3/h Current Input: 22.6A	12V
	02.24.07B	RA24B008-B02-3SP-01 (3 Speeds)		Max Airflow: 400m3/h Current Input: 5.7A	Evaporator Blower (3 Speeds)		SPAL: 008-B45-02D	Max Airflow: 400m3/h Current Input: 5.7A	24V
	02.12.07B	RA12B008-B02-3SP-01 (3 Speeds)		Max Airflow: 690m3/h Current Input: 15.1A	Evaporator Blower (3 Speeds)		SPAL: 008-A45-02D	Max Airflow: 690m3/h Current Input: 15.1A	12V



	02.24.21B	RA24B009-B01-3SP-01 (3 Speeds)		Max Airflow: 700m3/h Current Input: 7A	Evaporator Blower (3 Speeds)		SPAL: 009-B70-74D	Max Airflow: 750m3/h Current Input: 8.2A	24V
	02.12.21B	RA12B009-B01-3SP-01 (3 Speeds)		Max Airflow: 700m3/h Current Input: 15A	Evaporator Blower (3 Speeds)		SPAL: 009-A70-74D	Max Airflow: 690m3/h Current Input: 15.1A	12V
	02.24.22B	RA24B008-B01-3SP-01 (3 Speeds)		Max Airflow: 280m3/h Current Input: 2.5A	Evaporator Blower (3 Speeds)		SPAL: 008-B100-93D	Max Airflow: 260m3/h Current Input: 2.5A	24V
	02.12.22B	RA12B008-B01-3SP-01 (3 Speeds)		Max Airflow: 260m3/h Current Input: 4.3A	Evaporator Blower (3 Speeds)		SPAL: 008-A100-93D	Max Airflow: 260m3/h Current Input: 5.3A	12V
	02.24.23B	RA24B010-B01-3SP-01 (3 Speeds)		Max Airflow: 690m3/h Current Input: 11A	Evaporator Blower (3 Speeds)		SPAL: 010-B70-74D; 010-B29-70D; 006-B29-26D	Max Airflow: 530m3/h Current Input: 11A	24V
	02.12.23B	RA12B010-B01-3SP-01 (3 Speeds)		Max Airflow: 690m3/h Current Input: 22A	Evaporator Blower (3 Speeds)		SPAL: 010-A70-74D	Max Airflow: 510m3/h Current Input: 20A	12V






**Spal Condenser Fan Replacements (Tonada fans with brush)**













	01.24.88B	AX24B004-S385-1SP-02 (Suction, 1 Speed)		Max Airflow: 2480m3/h Current Input: 5.5A	Condenser Fan, 24V, Suction		VA18-BP10/C-41A VA18-BP51/C-41A	Max Airflow: 2480m3/h Current Input: 5.5A Thickness: 51mm, 62mm	385mm, 24V
	01.12.88B	AX12B004-S385-1SP-02 (Suction, 1 Speed)		Max Airflow: 2490m3/h Current Input: 10.7A	Condenser Fan, 12V, Suction		VA18-AP10/C-41A VA18-AP51/C-41A	Max Airflow: 2490m3/h Current Input: 10.7A Thickness: 51mm, 62mm	385mm, 12V
	01.24.90B	AX24B004-B385-1SP-02 (Blowing, 1 Speed)		Max Airflow: 2640m3/h Current Input: 5.2A	Condenser Fan, 24V, Blowing		VA18-BP10/C-41S VA18-BP51/C-41S	Max Airflow: 2640m3/h Current Input: 5.2A Thickness: 51mm, 62mm	385mm, 24V
	01.12.90B	AX12B004-B385-1SP-02 (Blowing, 1 Speed)		Max Airflow: 2550m3/h Current Input: 10.5A	Condenser Fan, 12V, Blowing		VA18-AP10/C-41S VA18-AP51/C-41S	Max Airflow: 2550m3/h Current Input: 10.5A Thickness: 51mm, 62mm	385mm, 12V
	01.24.91B	AX24B004-S385-1SP-02 (Suction, 1 Speed)		Max Airflow: 3690m3/h Current Input: 9.1A	Condenser Fan, 24V, Suction		VA18-BP70/LL-41A VA18-BP70/LL-86A VA18-BP71/LL-59A	Max Airflow: 3690m3/h Current Input: 9.1A Thickness: 88mm	385mm, 24V
	01.12.91B	AX12B004-S385-1SP-02 (Suction, 1 Speed)		Max Airflow: 3430m3/h Current Input: 19.5A	Condenser Fan, 12V, Suction		VA18-AP70/LL-41A VA18-AP70/LL-86A VA18-AP71/LL-59A	Max Airflow: 3430m3/h Current Input: 19.5A Thickness: 88mm	385mm, 12V

	01.24.92B	AX24B004-B385-1SP-02 (Blowing,1 Speed)		Max Airflow:3540m3/h Current Input:8.7A	Condenser Fan,24V, Blowing		VA18-BP70/LL-41S VA18-BP70/LL-86S VA18-BP71/LL-42S	Max Airflow:3540m3/h Current Input:8.7A Thickness: 88mm	385mm, 24V
	01.12.92B	AX12B004-B385-1SP-02 (Blowing,1 Speed)		Max Airflow:3430m3/h Current Input:17.4A	Condenser Fan,12V, Blowing		VA18-AP70/LL-41S VA18-AP70/LL-86S VA18-AP71/LL-42S	Max Airflow:3430m3/h Current Input:17.4A Thickness: 88mm	385mm, 12V
	01.24.80B	AX24B004-S350-1SP-02 (Suction,1 Speed)		Max Airflow: 2170m3/h Current Input:4.9A	Condenser Fan,24V, Suction		VA08-BP10/C-23A VA08-BP51/C-23A	Max Airflow: 2170m3/h Current Input:4.9A Thickness: 51mm, 62mm	350mm, 24V
	01.12.80B	AX12B004-S350-1SP-02 (Suction,1 Speed)		Max Airflow:2220m3/h Current Input:9.5A	Condenser Fan,12V, Suction		VA08-AP10/C-23A VA08-AP51/C-23A	Max Airflow:2220m3/h Current Input:9.5A Thickness: 51mm, 62mm	350mm, 12V
	01.24.86B	AX24B004-B350-1SP-02 (Blowing,1 Speed)		Max Airflow: 2100m3/h Current Input:4.5A	Condenser Fan,24V, Blowing		VA08-BP10/C-23S VA08-BP51/C-23S	Max Airflow: 2100m3/h Current Input:4.5A Thickness: 51mm, 62mm	350mm, 24V
	01.12.86B	AX12B004-B350-1SP-02 (Blowing,1 Speed)		Max Airflow: 2140m3/h Current Input:8.7A	Condenser Fan,12V, Blowing		VA08-AP10/C-23S VA08-AP51/C-23S	Max Airflow: 2140m3/h Current Input:8.7A Thickness: 51mm, 62mm	350mm,12V
	01.24.81B	AX24B004-S350-1SP-02 (Suction,1 Speed)		Max Airflow: 3120m3/h Current Input:8.9A	Condenser Fan,24V, Suction		VA08-BP70/LL-23A VA08-BP70/LL-23MA VA08-BP71/LL-53A	Max Airflow: 3120m3/h Current Input:8.9A Thickness: 88mm	350mm, 24V
	01.12.81B	AX12B004-S350-1SP-02 (Suction,1 Speed)		Max Airflow: 3160m3/h Current Input:19.5A	Condenser Fan,12V, Suction		VA08-AP70/LL-23A VA08-AP70/LL-23MA VA08-AP71/LL-53A	Max Airflow: 3160m3/h Current Input:19.5A Thickness: 88mm	350mm, 12V
	01.24.82B	AX24B004-B350-1SP-02 (Blowing,1 Speed)		Max Airflow: 3150m3/h Current Input:9.7A	Condenser Fan,24V, Blowing		VA08-BP70/LL-23S VA08-BP70/LL-23MS VA08-BP71/LL-53S	Max Airflow: 3150m3/h Current Input:9.7A Thickness: 88mm	350mm, 24V
	01.12.82B	AX12B004-B350-1SP-02 (Blowing,1 Speed)		Max Airflow: 3120m3/h Current Input:21.1A	Condenser Fan,12V, Blowing		VA08-AP70/LL-23S VA08-AP70/LL-23MS VA08-AP71/LL-53S	Max Airflow: 3120m3/h Current Input:21.1A Thickness: 88mm	350mm, 12V
	01.24.15B	AX24B004-S305-1SP-02 (Suction,1 Speed)		Max Airflow:2900m3/h Current Input:7.4A	Condenser Fan,24V, Suction		VA01-BP70/LL-36A; VA01-BP70/LL-66A;	Max Airflow:2900m3/h Current Input:7.4A Thickness: 88mm	305mm, 24V
	01.12.15B	AX12B004-S305-1SP-02 (Suction,1 Speed)		Max Airflow:2780m3/h Current Input: 13.9A	Condenser Fan,12V, Suction		VA01-AP70/LL-36A; VA01-AP70/LL-66A;	Max Airflow:2780m3/h Current Input:13.9A Thickness: 88mm	305mm, 12V
	01.24.14B	AX24B004-B305-1SP-02 (Blowing,1 Speed)		Max Airflow:2850m3/h Current Input:8.5A	Condenser Fan,24V, Blowing		VA01-BP70/LL-36S; VA01-BP70/LL-79S;	Max Airflow:2850m3/h Current Input:8.5A Thickness: 88mm	305mm, 24V
	01.12.14B	AX12B004-B305-1SP-02 (Blowing,1 Speed)		Max Airflow:2860m3/h Current Input:13.9A	Condenser Fan,12V, Blowing		VA01-AP70/LL-36S; VA01-AP70/LL-79S;	Max Airflow:2860m3/h Current Input:13.9A Thickness: 88mm	305mm, 12V


















	01.24.13B	AX24B004-S305X-1SP-02 (Suction,1 Speed)		Max Airflow:2580m3/h Current Input:8.2A	Condenser Fan,24V, Suction		VA34-BP70/LL-36A; VA34-BP70/LL-66A;	Max Airflow:2580m3/h Current Input:8.2A Thickness: 88mm	305mm, 24V
	01.12.13B	AX12B004-S305X-1SP-02 (Suction,1 Speed)		Max Airflow:2430m3/h Current Input:15.6A	Condenser Fan,12V, Suction		VA34-AP70/LL-36A; VA34-AP70/LL-66A;	Max Airflow:2430m3/h Current Input:15.6A Thickness: 88mm	305mm, 12V
	01.24.12B	AX24B004-B305X-1SP-02 (Blowing,1 Speed)		Max Airflow:2490m3/h Current Input:8.8A	Condenser Fan,24V, Blowing		VA34-BP70/LL-36S; V34-BP70/LL-76S;	Max Airflow:2490m3/h Current Input:8.8A Thickness: 88mm	305mm, 24V
	01.12.12B	AX12B004-B305X-1SP-02 (Blowing,1 Speed)		Max Airflow:2340m3/h Current Input:15.5A	Condenser Fan,12V, Blowing		VA34-AP70/LL-36S; VA34-AP70/LL-76S;	Max Airflow:2340m3/h Current Input:15.5A Thickness: 88mm	305mm, 12V
	01.24.16B	AX24B004-S305-1SP-02 (Suction,1 Speed)		Max Airflow:1560m3/h Current Input:3.5A	Condenser Fan,24V, Suction		VA10-BP10/C-61A; VA10-BP50/C-25A; VA10-BP50/C-61A; VA10-BP9/C-25A	Max Airflow:1560m3/h Current Input:3.5A Thickness: 51mm,62mm	305mm, 24V
	01.12.16B	AX12B004-S305-1SP-02 (Suction,1 Speed)		Max Airflow:1460m3/h Current Input:7.9A	Condenser Fan,12V, Suction		VA10-AP10/C-61A; VA10-AP50/C-25A; VA10-AP50/C-61A; VA10-AP9/C-25A	Max Airflow:1460m3/h Current Input:7.9A Thickness: 51mm,62mm	305mm, 12V
	01.24.17B	AX24B004-B305-1SP-02 (Blowing,1 Speed)		Max Airflow:1410m3/h Current Input:3.3A	Condenser Fan,24V, Blowing		VA10-BP10/C-61S; VA10-BP50/C-25S; VA10-BP50/C-61S; VA10-BP9/C-25S	Max Airflow:1410m3/h Current Input:3.3A Thickness: 51mm,62mm	305mm, 24V
	01.12.17B	AX12B004-B305-1SP-02 (Blowing,1 Speed)		Max Airflow:1450m3/h Current Input:6.4A	Condenser Fan,12V, Blowing		VA10-AP10/C-61S; VA10-AP50/C-25S; VA10-AP50/C-61S; VA10-AP9/C-25S	Max Airflow:1450m3/h Current Input:6.4A Thickness: 51mm,62mm	305mm, 12V
	01.24.26B	AX24B010-S305W-2SP-02 (Suction,1Spees/2Speeds)		Max Airflow:2770m3/h Current Input: 8.0A	DC Condenser Fan, Suction		VA51-BP70/LL-69A, Carrier 54-00622-00 # 30104043. (Suction)	Max Airflow: 2770m3/h Current Input: 7.9A Thickness: 88mm	24V
	01.24.36B	AX24B004-S280-1SP-02 (Suction,1 Speed)		Max Airflow:2340m3/h Current Input: 15.5A	Condenser Fan,24V, Suction		VA03-BP70/LL-37A; VA03-BP70/LL-68A; VA03-BP90/LL-68A	Max Airflow:2340m3/h Current Input:15.5A Thickness: 88mm, 112mm	280mm, 24V
	01.12.36B	AX12B004-S280-1SP-02 (Suction,1 Speed)		Max Airflow: 2720m3/h Current Input:24.5A	Condenser Fan,12V, Suction		VA03-AP70/LL-37A; VA03-AP70/LL-68A; VA03-AP90/LL-68A	Max Airflow: 2720m3/h Current Input:24.5A Thickness: 88mm, 112mm	280mm, 12V
	01.24.31B	AX24B004-B280-1SP-02 (Blowing,1 Speed)		Max Airflow: 2740m3/h Current Input:11.2A	Condenser Fan,24V, Blowing		VA03-BP70/LL-37S; VA03-BP70/LL-68S; VA03-BP90/LL-68S	Max Airflow: 2740m3/h Current Input:11.2A Thickness: 88mm, 112mm	280mm, 24V
	01.12.31B	AX12B004-B280-1SP-02 (Blowing,1 Speed)		Max Airflow: 2790m3/h Current Input:24.9A	Condenser Fan,12V, Blowing		VA03-AP70/LL-37S; VA03-AP70/LL-68S; VA03-AP90/LL-68S	Max Airflow: 2790m3/h Current Input:24.9A Thickness: 88mm, 112mm	280mm, 12V



	01.24.44B	AX24B004-S280-1SP-02 (Suction,1 Speed)		Max Airflow: 1200m3/h Current Input:4.4A	Condenser Fan,24V, Suction		VA09-BP12/C-27A; VA09-BP12/C-54A; VA09-BP50/C-27A; VA09-BP50/C-54A; VA09-BP8/C-27A; VA09-BP8/C-54A	Max Airflow: 1690m3/h Current Input:4.4A Thickness: 51mm,62mm	280mm, 24V
	01.12.44B	AX12B004-S280-1SP-02 (Suction,1 Speed)		Max Airflow: 1200m3/h Current Input:8.6A	Condenser Fan,12V, Suction		VA09-AP12/C-27A; VA09-AP12/C-54A; VA09-AP50/C-27A; VA09-AP50/C-54A; VA09-AP8/C-27A; VA09-AP8/C-54A:	Max Airflow: 1580m3/h Current Input:8.6A Thickness: 51mm,62mm	280mm, 12V
	01.24.52B	AX24B004-B280-1SP-02 (Blowing,1 Speed)		Max Airflow: 1600m3/h Current Input:4.3A	Condenser Fan,24V, Blowing		VA09-BP12/C-27S; VA09-BP12/C-54S; VA09-BP50/C-27S; VA09-BP50/C-54S; VA09-BP8/C-27S; VA09-BP8/C-54S	Max Airflow: 1600m3/h Current Input:4.3A Thickness: 51mm,62mm	280mm, 24V
	01.12.52B	AX12B004-B280-1SP-02 (Blowing,1 Speed)		Max Airflow: 1600m3/h Current Input:7.9A	Condenser Fan,12V, Blowing		VA09-AP12/C-27S; VA09-AP12/C-54S; VA09-AP50/C-27S; VA09-AP50/C-54S; VA09-AP8/C-27S; VA09-AP8/C-54S	Max Airflow: 1600m3/h Current Input:7.9A Thickness: 51mm,62mm	280mm, 12V
	01.24.45B	AX24B004-S255-1SP-02 (Suction,1 Speed)		Max Airflow: 1340m3/h Current Input:5.0A	Condenser Fan,24V, Suction		VA11-BP12/C-29A; VA11-BP12/C-57A; VA11-BP7/C-29A;	Max Airflow: 1340m3/h Current Input:5.0A Thickness: 51mm	255mm, 24V
	01.12.45B	AX12B004-S255-1SP-02 (Suction,1 Speed)		Max Airflow: 1360m3/h Current Input:8.7A	Condenser Fan,12V, Suction		VA11-AP7/C-29A; VA11-AP7/C-57A; VA11-AP8/C-29A; VA11-AP8/C-57A;	Max Airflow: 1360m3/h Current Input:8.7A Thickness: 51mm	255mm, 12V
	01.24.58B	AX24B004-B255-1SP-02 (Blowing,1 Speed)		Max Airflow: 1100m3/h Current Input:4.5A	Condenser Fan,24V, Blowing		VA11-BP12/C-29S; VA11-BP12/C-57S; VA11-BP7/C-29S;	Max Airflow: 1400m3/h Current Input:4.5A Thickness: 51mm	255mm, 24V
	01.12.58B	AX12B004-B255-1SP-02 (Blowing,1 Speed)		Max Airflow: 1100m3/h Current Input:7.6A	Condenser Fan,12V, Blowing		VA11-AP7/C-29S; VA11-AP7/C-57S; VA11-AP8/C-29S; VA11-AP8/C-57S;	Max Airflow: 1430m3/h Current Input:7.6A Thickness: 51mm	255mm, 12V
	01.24.47B	AX24B004-S225-1SP-02 (Suction,1 Speed)		Max Airflow: 1280m3/h Current Input:7.2A	Condenser Fan,24V, Suction		VA02-BP70/LL-40A VA02-BP70/LL-52A	Max Airflow: 1390m3/h Current Input:4.5A Thickness: 95mm	225mm, 24V
	01.12.47B	AX12B004-S225-1SP-02 (Suction,1 Speed)		Max Airflow: 1400m3/h Current Input:4.5A	Condenser Fan,12V, Suction		VA02-AP70/LL-40A; VA02-AP70/LL-52A	Max Airflow: 1280m3/h Current Input:7.2A Thickness: 95mm	225mm, 12V











	01.24.42B	AX24B004-B225-1SP-02 (Blowing,1 Speed)		Max Airflow:1230m3/h Current Input:7.6A	Condenser Fan,24V, Blowing		VA02-BP70/LL-40S; VA02-BP70/LL-52S	Max Airflow: 1400m3/h Current Input:4.5A Thickness: 95mm	225mm, 24V
	01.12.42B	AX12B004-B225-1SP-02 (Blowing,1 Speed)		Max Airflow: 1260m3/h Current Input:4.5A	Condenser Fan,12V, Blowing		VA02-AP70/LL-40S; VA02-AP70/LL-52S	Max Airflow:1230m3/h Current Input:7.6A Thickness: 95mm	225mm, 12V
	01.24.60B	AX24B004-S225-1SP-02 (Suction,1 Speed)		Max Airflow:1060m3/h Current Input:6.7A	Condenser Fan,24V, Suction		VA07-BP12/C-58A; VA07-BP7/C-31A;	Max Airflow: 1260m3/h Current Input:4.5A Thickness: 51mm	225mm, 24V
	01.12.60B	AX12B004-S225-1SP-02 (Suction,1 Speed)		Max Airflow: 1180m3/h Current Input:4.1A	Condenser Fan,12V, Suction		VA07-AP12/C-31A; VA07-AP12/C-58A; VA07-AP7/C-31A; VA07-AP8/C-58A;	Max Airflow:1060m3/h Current Input:6.7A Thickness: 51mm	225mm, 12V
	01.24.63B	AX24B004-B225-1SP-02 (Blowing,1 Speed)		Max Airflow: 1180 m <sup>3</sup> /h Current Input: 4.1A	Condenser Fan,24V, Blowing		VA07-BP12/C-58S; VA07-BP7/C-31S;	Max Airflow: 1180m3/h Current Input:4.1A Thickness: 51mm	225mm, 24V
	01.12.63B	AX12B004-B225-1SP-02 (Blowing,1 Speed)		Max Airflow: 1140m3/h Current Input:8.3A	Condenser Fan,12V, Blowing		VA07-AP12/C-31S; VA07-AP12/C-58S; VA07-AP7/C-31S; VA07-AP8/C-58S;	Max Airflow: 1140m3/h Current Input:8.3A Thickness: 51mm	225mm, 12V
	01.24.68B	AX24B004-S190-1SP-02 (Suction,1 Speed)		Max Airflow: 650m3/h Current Input:2.4A	Condenser Fan,24V, Suction		VA14-BP7/C-34A;	Max Airflow: 650m3/h Current Input:2.4A Thickness: 51mm	190mm, 24V
	01.12.68B	AX12B004-S190-1SP-02 (Suction,1 Speed)		Max Airflow:620m3/h Current Input:4.4A	Condenser Fan,12V, Suction		VA14-AP7/C-34A;	Max Airflow:620m3/h Current Input:4.4A Thickness: 51mm	190mm, 12V
	01.24.78B	AX24B004-B190-1SP-02 (Blowing,1 Speed)		Max Airflow: 640m3/h Current Input:2.5A	Condenser Fan,24V, Blowing		VA14-BP7/C-34S;	Max Airflow: 640m3/h Current Input:2.5A Thickness: 51mm	190mm, 24V
	01.12.78B	AX12B004-B190-1SP-02 (Blowing,1 Speed)		Max Airflow:590m3/h Current Input:4.3A	Condenser Fan,12V, Blowing		VA14-AP7/C-34S; VA14-AP11/C-34S;	Max Airflow:590m3/h Current Input:4.3A Thickness: 51mm	190mm, 12V
	01.12.02B	AX12B009-B305-1SP-02 (Blowing,1 Speed)		Max Airflow:3100m3/h Current Input:23A	Condenser Fan,12V, Blowing		VA01-AP90/LL-79S	Max Airflow:3390m3/h Current Input:32A Thickness: 112mm	305mm, 12V



**EBM EC Fans Replacements (Tonada EC Fans & Blowers) (brushless)**

	Our Part NO.	Model	Actual Price	Technical Parameters	Description		Reference NO.	Technical Parameters	Remark
	02.24.02	RA24BL001-B40-VSP-02 (Variable Speed)		Max Airflow: 1050m <sup>3</sup> /h Current Input: 9.7A	Evaporator Blower (Variable Speed)		K3G097-AA12-03; K3G097-AK34-43	Max Airflow: 1035m <sup>3</sup> /h Current Input: 12.2A	24V
	02.24.05 02.24.05P	RA24BL001-B65-VSP-02 (Variable Speed)		Max Airflow: 1050m <sup>3</sup> /h Current Input: 9.7A	Evaporator Blower (Variable Speed)		K3G097-AK34-91 K3G097-AK34-66	Max Airflow: 1080m <sup>3</sup> /h Current Input: 13.2A	24V
	01.24.02	AX24BL009C-B305-VSP-02 (Blowing, Variable Speed)		Max Airflow: 2830m <sup>3</sup> /h Current Input: 8.5A	Condenser Fan, 24V, Blowing		W3G300-EQ12-03; W3G300-ER26-05	Max Airflow: 2870m <sup>3</sup> /h Current Input: 7.4A	24V
	01.12.07			Max Airflow: 2550m <sup>3</sup> /h Current Input: 11.7A	Condenser Fan, 12V, Blowing		W3G300-RQ42-44; W3G300-EQ42-44	Max Airflow: 2550m <sup>3</sup> /h Current Input: 11.7A	12V
	01.24.06	AX24BL009C-B305-VSP-03 (Blowing, Variable Speed)		Max Airflow: 2650m <sup>3</sup> /h Current Input: 7.9A	Condenser Fan, 24V, Blowing		W3G300-RQ30-43; W3G300-EQ30-43	Max Airflow: 2735m <sup>3</sup> /h Current Input: 7.0A	24V
	01.12.06	AX12BL009C-B305-VSP-03 (Blowing, Variable Speed)		Max Airflow: 2650m <sup>3</sup> /h Current Input: 17.0A	Condenser Fan, 12V, Blowing				12V
	01.24.33	AX24BL004C-B280-VSP-02 (Blowing, Variable Speed)		Max Airflow: 2410m <sup>3</sup> /h Current Input: 6.8A	Condenser Fan, 24V, Blowing		W3G280-EQ20-43	Max Airflow: 2400m <sup>3</sup> /h Current Input: 7.5A	24V
	01.12.33	AX12BL004C-B280-VSP-03 (Blowing, Variable Speed)		Max Airflow: 2180m <sup>3</sup> /h Current Input: 12.0A	Condenser Fan, 12V, Blowing		W3G280-EQ08-44	Max Airflow: 2165m <sup>3</sup> /h Current Input: 11.7A	12V



	02.24.34	RA24BL012C-B175-VSP-01 (1Speed/Variable Speed)		Max Airflow: 550m <sup>3</sup> /h Current Input: 2.2A	EC centrifugal fans (Variable Speed)				12V
	02.24.36	RA24BL012C-B190-VSP-01 (1Speed/Variable Speed)		Max Airflow: 600m <sup>3</sup> /h Current Input: 2.6A	EC centrifugal fans (1 Speed) (Variable Speed)		R1G 190-AC37 -52	Max Airflow: 560m <sup>3</sup> /h Current Input: 3.7A	24V
	02.12.36	RA12BL012C-B190-VSP-01 (1Speed/Variable Speed)		Max Airflow: 600m <sup>3</sup> /h Current Input: 5A					
	02.24.37	RA24BL013C-B220-VSP-01 (1 Speed/Variable Speed)		Max Airflow: 900m <sup>3</sup> /h Current Input:3.6A	EC centrifugal fans (1 Speed) (Variable Speed)		R1G 220-AB35 -52 MITSUBISHI TDJ301	Max Airflow: 1055m <sup>3</sup> /h Current Input:5.0A	24V
	02.12.37	RA12BL013C-B220-VSP-01 (1 Speed/Variable Speed)		Max Airflow: 900m <sup>3</sup> /h Current Input:5.6A					
	02.24.38	RA24BL014C-B225-VSP-01 (1 Speed/Variable Speed)		Max Airflow: 1000m <sup>3</sup> /h Current Input:3.8A	EC centrifugal fans (1 Speed) (Variable Speed)		R1G 225-AF07 -52	Max Airflow: 1125m <sup>3</sup> /h Current Input:4.6A	24V
	02.12.38	RA12BL014C-B225-VSP-01 (1 Speed/Variable Speed)		Max Airflow: 1000m <sup>3</sup> /h Current Input:6.8A	EC centrifugal fans (1 Speed) (Variable Speed)				
	02.12.35	RA12BL014C-B225-VSP-01TK (1 Speed/Variable Speed)		Max Airflow: 1000m <sup>3</sup> /h Current Input:6.8A	EC centrifugal fans (1 Speed/Variable Speed)		R1G 225-AF79-24 Thermoking:78-1362 (3 Wire)		12V
	02.48.26	RA48BL012C-B225-VSP-01		Max Airflow: 1000m <sup>3</sup> /h Current Input:2.0A	EC centrifugal fans (1 Speed/Variable Speed)		R1G225-AF33-12		48V
	02.24.22	RA24BL004C-B250-VSP-01 (1Speed/Variable Speed)		Max Airflow: 1200m <sup>3</sup> /h Current Input: 5.6A	EC centrifugal fans (1 Speed) (Variable Speed)		EBM R1G250-AQ21-52 EBM R1G250-AI13-20 Carrier: 54-00554-01	Max Airflow: 1140m <sup>3</sup> /h Current Input:4.3A	24V
	02.12.22	RA12BL004C-B250-VSP-01 (1 Speed/Variable Speed)		Max Airflow: 1200m <sup>3</sup> /h Current Input: 12.5A	EC centrifugal fans (1 Speed) (Variable Speed)			EBM R1G250-AC79-08 Carrier: 54-00554-00 ThermoKing: 350-4787	Wheel: AL







	02.24.39	RA24BL015C-B280-VSP-01 (1 Speed/Variable Speed)		Max Airflow: 1620m <sup>3</sup> /h Current Input: 5.0A	EC centrifugal fans (1 Speed) (Variable Speed)		R1G280-AE45-52	Max Airflow: 1750m <sup>3</sup> /h Current Input:4.6A	24V
	02.12.39	RA12BL015C-B280-VSP-01 (1 Speed/Variable Speed)		Max Airflow: 1620m <sup>3</sup> /h Current Input: 9.8A					12V
<b>Carrier and Konvekta Fans &amp; Blowers Replacements (Tonada Fans &amp; Blowers)</b>									
	02.24.02 (EC Blower)	RA24BL001-B40-VSP-02 (Variable Speed)		Max Airflow: 1050m <sup>3</sup> /h Current Input: 9.7A	EC Centrifugal blower (Variable Speed)		<b>Konvekta</b> H11-002-206	Max Airflow: 1035m <sup>3</sup> /h Current Input: 12.2A	24V
	01.24.02 (EC fan)	AX24BL009C-B305-VSP-02 (Blowing,Variable Speed)		Max Airflow: 2830m <sup>3</sup> /h Current Input: 8.5A	Condenser Fan,24V, Blowing		<b>Konvekta</b> H11-002-208 H11-002-275 <b>EBM</b> W3G300-RQ12-11	Max Airflow: 2735m <sup>3</sup> /h Current Input: 7.0A	24V
	02.24.44B	RA24B001-B54-1SP-01 (1 Speeds)		Max Airflow: 1050m <sup>3</sup> /h Current Input:8.9A	Evaporator Blower (1 Speeds)		<b>Carrier</b> 54-00584-02 <b>Konvekta</b> B11-AE1-220 H11-001-263	Max Airflow: 1100m <sup>3</sup> /h Current Input:9.5A	24V
	02.24.45B			Max Airflow: 1400m <sup>3</sup> /h	Evaporator Blower (1 Speeds)		<b>Konvekta</b> B11-AE1-220 H11-001-263 H11-001-275	Max Airflow: 1400m <sup>3</sup> /h	24v
	05.24.23B (DC motor with brush)			DC:24V,140W, 2600r/min			<b>Carrier</b> 54-60006-16 EGBA1E066		24V
	05.12.23B (DC motor with brush)			DC:14V,140W, 2600r/min			<b>Carrier</b> 54-60006-10 EGBA1E060		14V
	05.12.22B (DC motor with brush)			DC:14V,93.8W, 2800r/min			<b>Carrier</b> 54-00639-114 62-61762-00		14V
	01.24.43B (DC motor with brush)				DC condenser fan motor (1 Speed)		<b>Carrier</b> 28.02.10.020		24V








	01.24.95B (DC motor with brush)	AX24B003-B305-1SP-01		Max Airflow: 1400m <sup>3</sup> /h Speed: 3000r/min			Sutrak		24V
	01.12.95B (DC motor with brush)	AX12B003-B305-1SP-01		Max Airflow: 1400m <sup>3</sup> /h Speed: 3000r/min					12V
	02.24.45	RA24BL030C-303-14		Current Input:360mA Speed: 3600r/min					24V brushless

### Denso Condenser Fan Replacement

	01.24.50B	AX24B012-B305-1SP-01 (Blowing,1 Speed)		Max Airflow: 2700m <sup>3</sup> /h Current Input: 8.5A	Condenser fan assy Denso 24V,Denso LD7/LD8 Denso:168000-6563		<b>Denso:</b> 168000-6563		24V (Fan with brush)
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### Bitzer Electromagnetic Clutch Replacement



	Our Part NO.	Model	Actual Price	Technical Parameters	Description	Bitzer	Reference NO.	Technical Parameters	Remark
	DL220A	Tonada DL220A		Voltage: 24V Power: 60W Torque: 240N.m Operating Revolution:500-3500r.p.m Max.Speed: 4000r.p.m	BOCK,(FKX-40) BITZER (4U.4T.4P.4NFCY)				Strap wheel diameter(Groove model): No pulley
	DL210-2B	Tonada DL210-2B		Voltage: 24V Power: 60W Torque: 240N.m Operating Revolution:500-3500r.p.m Max.Speed: 4000r.p.m	BOCK,(FKX-40) BITZER (4U.4T.4P.4NFCY)				strap wheel diameter(Groove model): φ210-2B
	DL160-2B	Tonada DL160-2B		Voltage: 24V Power: 60W Torque: 240N.m Operating Revolution:500-3500r.p.m Max.Speed: 4000r.p.m	BOCK,(FKX-40) BITZER (4U.4T.4P.4NFCY)				strap wheel diameter(Groove model): φ160-2B

	DL260/210 2A2B	Tonada DL260&210 2A2B		Voltage: 24V Power: 60W Torque: 240N.m Operating Revolution:500- 3500r.p.m Max.Speed: 4000r.p.m	BOCK,(FKX-40) BITZER (4U.4T.4P.4NFCY)				strap wheel diameter(Groove model): φ260/-φ210- 2A-2B
	DLLW226/197 2A2B	Tonada DLLW226/197		Voltage: 24V Power: 60W Torque: 240N.m Operating Revolution:500- 3500r.p.m Max.Speed: 4000r.p.m	Thermoking (X426,X430)				strap wheel diameter(Groove model): φ226-φ197- 2A-2B
	DL210/170-1A9PK	Tonada DL210/170-1A9PK		Voltage: 24V Power: 60W Torque: 240N.m Operating Revolution:500- 3500r.p.m Max.Speed: 4000r.p.m	BOCK,(FKX-40) BITZER (4U.4T.4P.4NFCY)				strap wheel diameter(Groove model): φ210/-φ170- 1A-9PK
	HISPACOLD CLUTCH COIL	4150340		Voltage: 24V Power: 60W Torque: 240N.m					
	HISPACOLD 210-6PK-190-10 PK	Tonada 210-6PK-190-10 PK		Voltage: 24V Power: 60W Torque: 240N.m Operating Revolution:500- 3500r.p.m Max.Speed: 4000r.p.m	SPAIN COMPRESSOR				strap wheel diameter(Groove model):φ210- 6PK-190-10 PK
	HISPACOLD 270-190-1A9PK	Tonada 270-190-1A9PK		Voltage: 24V Power: 60W Torque: 240N.m Operating Revolution:500- 3500r.p.m Max.Speed: 4000r.p.m	SPAIN COMPRESSOR				strap wheel diameter(Groove model):φ270- 190-1A9PK
	DL-170-10PK	Tonada DL-170-10PK		Voltage: 24V Power: 60W Torque: 240N.m Operating Revolution:500- 3500r.p.m Max.Speed: 4000r.p.m	BOCK,(FKX-40) BITZER (4U.4T.4P.4NFCY)				strap wheel diameter(Groove model): φ170-10PK








### Thermo King Filter Drier Replacement

	Our Part NO.	Model	Actual Price	Technical Parameters	Description	Thermo King	Reference NO.	Technical Parameters	Remark
	Thermo King 2510	Tonada 2510		Size:76x160	In Out Size: 12/16				
	Thermo King 2520	Tonada 2520		Size:76x160	In Out Size: 11/16				
	Thermo King 2530	Tonada 2530		Size:89x245	In Out Size: 13/16				
	Thermo King 2541	Tonada 2541		Size:76x235	In Out Size: 13/16				
	Thermo King 2541 (TK-66-4729)	Tonada TK-66-4729		Size:76x235					
	Thermo King 2541 (TK-66-5750)	Tonada TK-66-5750							
	Thermo King (TK-61-600)	Tonada TK-61-600		Input / Output Size:13/16					
	KONVEKTA H14-001-058-1	Tonada H14-001-058-1							



### Bitzer Shaft Seal Replacement




	Our Part NO.	Model	Actual Price	Technical Parameters	Description	Bitzer	Reference NO.	Technical Parameters	Remark
	HFSPC-35	Tonada HFSPC-35		Material: Ca/Ni-Resist/HNBR Weight:0.16KG	Hispacold Compressor Series Shaft Seal Ass'y				







	HFSPC-40	Tonada HFSPC-40		Material: Ca/SiC/HNBR Weight:0.14KG	Hispacold Compressor Series Shaft Seal Ass'y				
	HFBZR(L)-40	Tonada HFBZR (L)-40		Material: Ca/Ni-Resist/HNBR Weight:0.235KG	Bitzer 4TFCY				
	HFBZR(N)-40	Tonada HFBZR(N)-40		Material: Ca/SiC/HNBR Weight:0.19KG	Bitzer 4PFCY Bitzer 4NFCY				
	HFBZR(N)-28 (F400)	Tonada HFBZR (N)-28-F400		Material: Ca/SiC/HNBR Weight: 0.19KG	Bitzer F400 Compressor Shaft Seal Ass'y				
	HFBZR(N)-28 (F400Y)	Tonada HFBZR (N)-28-F400Y		Material: Ca/SiC/HNBR Weight: 0.19KG	Bitzer F400Y Compressor Shaft Seal Ass'y				
	HF680-40	Tonada HF680-40		Material: Ca/Ni-Resist/HNBR Weight:0.19KG					
	HF680-50	Tonada HF680-50		Material: Ca/Ni-Resist/HNBR Weight:0.46KG					



**Thermo King Shaft Seal Replacement**

	Our Part NO.	Model	Actual Price	Technical Parameters	Description	Thermo King	Reference NO.	Technical Parameters	Remark
	HFDLW-7/8"	Tonada 22-899/777		Material: Ca/Ni-Resist/HNBR Weight:0.11KG	Thermo King Shaft Seal 22-899/777 for compressor X426/X430				



	HFDLW-1"	Tonada 22-778		Material: Ca/Ni-Resist/HNBR Weight:0.135KG	Thermo King Shaft Seal 22-778 for compressor X426/X430				
	HFDLW-25(A)	Tonada 22-1100-A		Material: Ca/SiC/HNBR Weight:0.12KG	Thermo King Shaft Seal 22-1100 for compressor X426/X430				
	HFDLW-25(B)	Tonada 22-1100-B		Bronze/Tungsten Carbide/HNBR/AM350 Weight:0.165-0.175KG	Thermo King Shaft Seal 22-1100 for compressor X426/X430				
	HFDLW-30(A)	Tonada 22-1101-A		Material: Ca/SiC/HNBR Weight:0.145KG	Thermo King Shaft Seal 22-1101 for compressor X426/X430				
	HFDLW-30(B)	Tonada 22-1101-B		Bronze/Tungsten Carbide/HNBR/AM350 Weight:0.235-0.245KG	Thermo King Shaft Seal 22-1101 for compressor X426/X430				
	HFDLW-1 3/16"	Tonada 22-1318		Bronze/Tungsten Carbide/HNBR/AM350 Weight:0.22KG	Thermo King Shaft Seal 22-1318 for compressor X426/X430				

**Carrier Shaft Seal Replacement**








	Our Part NO.	Model	Actual Price	Technical Parameters	Description	Carrier	Reference NO.	Technical Parameters	Remark
	HF05G-1 1/2"	Tonada HF05G-1 1/2"		Material: Ca/SiC/HNBR Weight:0.255KG	Carrier Compressor Shaft Seal Ass'y 05G37,5H120				
	HF05G-2"	Tonada HF05G-2"		Material: Ca/SiC/HNBR Weight:0.3KG	Carrier Compressor Shaft Seal Ass'y 5F120				
	HF05K-1"	Tonada HF05K-1"		Material: Ca/SiC/HNBR Weight:0.41KG	Carrier Compressor Shaft Seal Ass'y 05K				




	Carrier Shaft Seal 5H40-477	Tonada 5H40-477			Carrier Seal 5H40-477 with cover plate				
	Carrier Shaft Seal 5H120-477	Tonada 5H120-477		Material: Ca/SiC/HNBR Weight: 0.4KG	Carrier Seal 5H40-477 with cover plate				

### Bock Shaft Seal Replacement

	Our Part NO.	Model	Actual Price	Technical Parameters	Description	Bock	Reference NO.	Technical Parameters	Remark
	HFBK-40	Tonada HFBK-40		Material: Ca/Ni-Resist/HNBR Weight:0.7KG					

### Other Replacement

	Our Part NO.	Model	Actual Price	Technical Parameters	Description		Reference NO.	Technical Parameters	Remark
	Stop Solenoid	Tonada 41-4306			Type: 41-4306	Thermo King			
	Stop Solenoid	Tonada 25-15230-01			Type: 25-15230-01	Thermo King			
	Fuel Pump	Tonada Fuel Pump		Weight: 2KG	Facet FUEL PUMP	Thermo King			
	Starter Motor TK486	Tonada TK486		Weight: 5KG	STARTER MOTOR FOR THERMO KING-TK486	Thermo King			
	Stop Solenoid	Tonada 25-38109-06			Stop Solenoid FOR CARRIER Type: 25- 38109-06	Carrier			
	Thermal Resistor	12-00395-01SV			12-00278-04SV 12-00395-01SV	Carrier			

	Sensor	41-4300			41-4300	Thermo King			
	Heating Pump	Tonada HHP		Rated Voltage: 24V DC Power: 102W Weight: 2.23KG	Protection: IP54 Water Outlet Size: 38mm(Ø38)	Hispacold			
	01-001116-00	Carrier (Original-Made in Germany)		Rated Voltage: 24V DC	Control Panel				