

EB Large Frame Chiller

Technisches Beiblatt / Technical companion sheet / Supplément Technique

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1. Technische Daten / Technical Data / Caractéristiques Techniques

Model	EB 90 STD	EB 90 HT	EB 150 STD	EB 150 HT	EB 150 HT LT
Kältetechnische Daten / Cooling data / Données de refroidissement					
Kälteleistung bei / Cooling capacity at/ Puissance de réfrigération (A32/W18)	12,584 W 43,000 BTU/h	10,444 W 32,794 BTU/h	19,754 W 67,500 BTU/h	16,600 W 56,689 BTU/h	16,600 W 56,689 BTU/h
Kühlmedium / Refrigerant / Fluide frigorigène	R-404a	R-134a	R-404a	R-134a	R-134a
Tankinhalt / Tank Capacity / Capacité du réservoir [L (gallons)]	50L (13.2)	50L (13.2)	50L (13.2)	50L (13.2)	50L (13.2)
Kühlflüssigkeit / Cooling Fluid / fluide de refroidissement	Wasser/Water/ de l'eau*	Wasser/Water/ de l'eau*	Wasser/Water/ de l'eau*	Wasser/Water/ de l'eau*	Wasser/Water/ de l'eau*
Sollwert (Werkseinstellung) / Setpoint (factory set) / Consigne (pré-réglage en fabrique)	+18°C / 65°F	+18°C / 65°F	+18°C / 65°F	+18°C / 65°F	+18°C / 65°F
Einstellbereich / Range of adjustment / Zone de réglage	min. 2°C / 35°F max. 21°C / 70°F	min. 2°C / 35°F max. 26°C / 80°F	min. 2°C / 35°F max. 21°C / 70°F	min. 2°C / 35°F max. 26°C / 80°F	min. 2°C / 35°F max. 26°C / 80°F
Wassermenge / Nominal Flow Rate / Quantité d'eau	1953 l / h (8.6 GPM)	1476 l / h (6.5 GPM)	3066 l / h (13.5 GPM)	3066 l / h (11.3 GPM)	3066 l / h (11.3 GPM)
Erhältlich Pumpe Druck / Available Pump Pressure @ Nom. Flow/ Disponible Pression pompe [barg (psig)]	5.1(75 psig)	5.1(75 psig)	4.48(65 psig)	4.7(69 psig)	4.7(69 psig)
Luftvolumenstrom / Nominal Air flow rate/ Volume d'air courant	8,495 m ³ / h (5000 CFM)	8,495 m ³ / h (5000 CFM)	8,495 m ³ / h (5000 CFM)	8,495 m ³ / h (5000 CFM)	8,495 m ³ / h (5000 CFM)
Umgebungslufttemperatur / Ambient air temperature / Température ambiante	Min. -23°C/-10°F Max. 40°C/104°F	Min. -23°C/-10°F Max. 57°C/135°F	Min. -23°C/-10°F Max. 40°C/104°F	Min. -23°C/-10°F Max. 57°C/135°F	Min. -31°C/-25°F Max. 57°C/135°F

* Wasser-Glykol-Gemisch recommended/ water-glycol mixture recommended / mélange eau-glycol recommended

Electrical data					
Nennspannung / Rated voltage / Tension nominale (+/- 10%)	460V AC	460V AC	460V AC	460V AC	460V AC
Nennfrequenz / Main frequency / Fréquence nominale	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Nenn Phasing / Main Phase / Phasing nominale	3	3	3	3	3
Nennstrom / Full Load Amps (FLA) / Intensité	13 A	13 A	16 A	16 A	20 A
Mindestschaltstrombelastbarkeit/ Minimum Circuit Ampacity/Intensité du circuit minimum	14 A	14 A	17.9 A	17.9 A	22.7 A
Sicherungsgröße / Max Fuse Size / Taille de fusible	15 A	15 A	25 A	25 A	30 A
Allgemeiner (Alarm) / General Alarm / alarme générale	Dry Contact; <250v Max Output	Dry Contact; <250v Max Output	Dry Contact; <250v Max Output	Dry Contact; <250v Max Output	Dry Contact; <250v Max Output

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2. Physikalische Daten /Physical Data / physique de Données

Model	EB 90 STD	EB 90 HT	EB 150 STD	EB 150 HT	EB 150 HT LT
Sonstiges / Other / d'autre					
Höhe x Breite x Tiefe / Height x Width x Depth / Hauteurs x Largeurs x Profondeur [mm(in)]	1042 x 559 x 610 (41 x 22 x 24)	1042 x 559 x 610 (41 x 22 x 24)	1321 x 712 x 762 (52 x 28 x 30)	1321 x 712 x 762 (52 x 28 x 30)	1321 x 712 x 762 (52 x 28 x 30)
Gewicht ohne Verpackung / Weight without packaging / Poids sans emballage [kg(lb)]	181 kg (397 lb)	181 kg (397 lb)	225 kg (496 lb)	225 kg (496 lb)	231 kg (510 lb)
Kältemittelfüllung / Refrigerant Charge / charge de fluide frigorigène [kg(lb)]	2.3kg (5.1lbs)	2.4kg (5.3lbs)	3.4kg (7.5lbs)	3.5kg (7.7lbs)	3.5kg (7.7lbs)
Verbindungstyp / Connection type / type de connexion	FNPT	FNPT	FNPT	FNPT	FNPT
Anschlussgröße / Connection Size / connexion Taille (in)	1"	1"	1"	1"	1"
Bescheinigung / Certification / certificat	ETL (UL 1995) UL 508A (Electrical Panel)	ETL (UL 1995) UL 508A (Electrical Panel)	ETL (UL 1995) UL 508A (Electrical Panel)	ETL (UL 1995) UL 508A (Electrical Panel)	ETL (UL 1995) UL 508A (Electrical Panel)
Gerätekonstruktionsart / Unit Construction / unité de construction	verzinktem , pulverbeschichtete tem Stahl / galvanized, powder coated (RAL 7035) steel / acier galvanisé , enduit de poudre	verzinktem , pulverbeschichtete tem Stahl / galvanized, powder coated (RAL 7035) steel / acier galvanisé , enduit de poudre	verzinktem , pulverbeschichtete tem Stahl / galvanized, powder coated (RAL 7035) steel / acier galvanisé , enduit de poudre	verzinktem , pulverbeschichtete tem Stahl / galvanized, powder coated (RAL 7035) steel / acier galvanisé , enduit de poudre	verzinktem , pulverbeschichtete tem Stahl / galvanized, powder coated (RAL 7035) steel / acier galvanisé , enduit de poudre

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3. Ersatzteile / Spare parts / Pièces de rechange

Ordini prego i vostri pezzi di ricambio soltanto con il Pfannenberg-parte-numero. Pida por favor sus partes de repuesto solamente con el Pfannenberg-parte-nu'mero.

Model	EB 90 STD	EB 90 HT	EB 150 STD	EB 150 HT	EB 150 HT LT
Nennspannung / Rated voltage / Tension nominale	460v		460v		
Kompressor / Compressor / compresseur	46000031179		46812000026		
Kondensatorlüfter / Condenser Fan / Ventilateur de condenseur	46000060094			46810000005	
Pumpe / Pump / pompe	46720802498				
Regler / Controller/ contrôleur	46830600003				
Temperaturfühler /Temperature Probe / Sonde de température	46825401264				
Durchflussschalter / Flow Switch / Fluxostat	48000012326				
Hochdruckschalter / High Pressure Switch / Interrupteur à haute pression	4683060012				
Niederdruckschalter / Low Pressure Switch/ Faible commutateur de pression	46830600122				
Fan Zyklusschalter / Fan Cycling Switch / fan vélo commutateur	46830600126			N/A	
Manometer / Pump Pressure Gauge /Manomètre	46000092008				
Expansion Valve /	48850200007	Contact Factory	46850200010	46850200038	46850200038
Filter Dryer-Sight Glass /	46850100019	Contact Factory	46850100019	46850100019	46850100019
Pressure Transducer /	N/A			46830600109	
Condenser Air Filter /	46815065012				