MODEL
EMT43HLP

APPROVALS

ENGINEERING CODE
192DA42

APPROVED REFRIGERANT
R-134a

POWER SUPPLY
220-240 V 50 Hz

STANDARD CONDITIONS
ASHRAE

APPLICATION
LBP

COOLING CAPACITY
128 W (LBP)

EFFICIENCY
1.25 W/W (LBP)

MOTOR TYPE
RSIR

STARTING TORQUE
LST

DATA

General Data

Type	Hermetic reciprocating
Technology Type	On-Off
Displacement	4.85 cm³
Compressor Cooling	Static/NotControled/220
Expansion Device	Capillary Tube
Power Supply	220-240 V 50 Hz
Evaporating Temperature Range	-35 °C to -10 °C

Electrical Data

Motor type	RSIR
Starting Torque	LST
Start Winding Resistance	23.7 Ω at 25° C
Run Winding Resistance	22.3 Ω at 25° C

Mechanical Data

Oil Charge	180 ml
Oil Type Configuration	ESTER
Oil Type Viscosity	ISO22
Weight	7.52 Kg

Electrical Components

	Description
Starting Device	PTC | V230
Motor Protection	T0225/G6

External Characteristics

Tray Holder	Yes

Connector	Internal Diameter	Shape
Suction	6.1 mm	Slanted 42?/Copper
Discharge	5.02 mm	Slanted parallel to Base Plate/Copper
Process	6 mm	Slanted 42?/Copper(OD)

PERFORMANCE

Rated Points

Condensing Temperature	Evaporating Temperature	Cooling Capacity	Power Consumption	Current	Gas Flow Rate	Efficiency
54.40°C	-23.30°C	127 W	102 W	0.71 A	2.48 kg/h	1.25 W/W

Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Evaporation -23.30°C, Condensing 54.40°C, Ambient 32.2°C , Liquid 32.2°C, Subcooling 22.2K. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Performance Curve Data

Condensing Temperature 35°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	75	72	0.64	1.45	1.04
-30	105	81	0.66	2.03	1.29
-25	142	91	0.68	2.75	1.55
-20	186	102	0.71	3.61	1.83
-15	238	113	0.75	4.64	2.11
-10	297	123	0.78	5.81	2.41

Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 45°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	67	72	0.64	1.29	0.93
-30	93	82	0.66	1.81	1.14
-25	128	94	0.69	2.48	1.36
-20	171	107	0.73	3.32	1.6
-15	221	120	0.77	4.31	1.84
-10	280	135	0.81	5.47	2.08

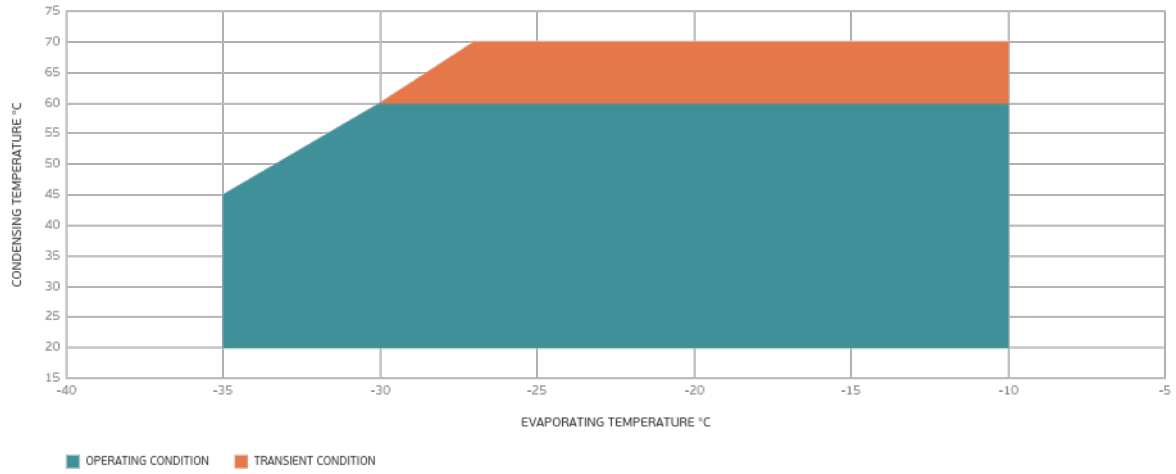
Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Condensing Temperature 55°C

Evaporating Temperature °C	Cooling Capacity W	Power W	Current A	Gas Flow Rate kg/h	Efficiency W/W
-35	59	72	0.64	1.15	0.82
-30	83	84	0.66	1.60	0.99
-25	115	97	0.7	2.22	1.19
-20	154	111	0.74	3.00	1.39
-15	203	127	0.79	3.95	1.6
-10	259	144	0.85	5.07	1.8

Test Condition: ASHRAELBP32, Static/NotControled/220, Return Gas 32.2°C, Ambient 32.2°C , Liquid 32.2°C. Data in accordance to EN 12900:2013 and AHRI 540:2015 polynomial equation and uncertainty guidance.

Operating Envelope



External Dimensions