

AIR-COOLED CONDENSING UNITS



38HDT



QUALITY SYSTEM



MALAYSIA

MS ISO 9001
REG. NO. AR 0219

From Carrier The New Slim, Elegant, And Super Quiet "OLYMPIA" 38HDT Air-Cooled Condensing Unit.

Carrier introduces yet another innovative range of Slim and elegant designed air-conditioners the 38HDT condensing unit.

A versatile, energy-efficient series that adds a new dimension to air conditioning. An extraordinary powerhouse, its highly efficient compressor, large L-shape condenser coil and the state-of-the-art condenser Fan System work together to provide super energy-efficient cooling.

FEATURES

- All models is housed in the Chassis "1" cabinet with small foot print advantages for reduced space requirement.
- Carrier all weather cabinet, powder painted & withstanding minimum 500 hours of salt spray test as per ASTM B117.
- Fully Hermetic reciprocating compressor - engineered for efficient and dependable operation.
- Compressor with built-in thermal overload protector against high current or temperature. High/Low pressure switches and Crankcase heater ensure safety and long-term reliability.
- Built-in Solid-State Anti-Recycle 5 minutes Timer.
- Separate insulated compressor compartment - ensures quiet operation.
- Advanced technology Lanced Sine Wave fin pattern with large L-shape coil ensures high EER performance.
- Standard 230V controls.
- Flare liquid & suction service valves ensure fast and easy installation and servicing (38HDT036 to 38HDT060).
- Direct driven propeller fan for horizontal air discharge.
- Metal fan guard offers quick access and easy maintenance with low noise characteristics.
- Aesthetically designed - pleasant and practical.

SPECIFICATIONS

MODEL		38HDT036	38HDT048	38HDT060	38HDT070
TYPE		AIR-COOLED CONDENSING UNIT			
NOMINAL CAPACITY (kW)*		10.6	14.1	17.6	20.5
POWER CONSUMPTION (CDU) (kW)*		3.5	4.5	6.2	7.7
OPERATING CURRENT (CDU) (A)*		8.8	8.2	11.4	13.7
REFRIGERANT		R-22			
POWER SOURCE (V-Ph-Hz) NOMINAL		400-3-50			
CDU EER		10.3	10.7	9.7	9.1
ABS. MIN-MAX VOLTAGE (V)		342-440			
COMPRESSOR	TYPE	FULLY HERMETIC RECIPROCATING			
	LRA (A)	37	55	70	89
	FLA (A)	6.0	7.8	10.6	16.4
	RUNNING AMPS(A)*	5.4	6.7	9.9	12.2
	POWER SUPPLY	400-3-50			
FAN MOTOR	TYPE	PERMANENT SPLIT CAPACITOR			
	NUMBER	1	1	1	1
	FLA (A)	1.45	1.45	1.45	1.45
	RUNNING AMPS(A)*	1.4	1.5	1.5	1.5
	POWER SUPPLY	230-1-50			
CONDENSER COIL	ROWS-FINS/m	2-591	2-591	2-591	3-591
DIMENSIONS	WIDTH, W(mm)	432	432	432	432
	LENGTH, L(mm)	1130	1130	1130	1130
	HEIGHT, H(mm)	945	945	945	945
CONNECTIONS	TYPE	FLARE		SWEAT	
	LIQUID (mm)	9.5	9.5	9.5	12.7
	SUCTION (mm)	19.05	19.05	19.05	28.58
NET WEIGHT (kg)		95	99	107	110
EXTERNAL FINISH		ALPINE MIST			
SOUND PRESSURE LEVEL dBA)**		65	66	67	67
PROTECTION DEVICES		THERMAL OVERLOAD, CRANKCASE HEATER, HP/LP SWITCHES.			

FLA: FULL LOAD AMPS

LRA: LOCKED ROTOR AMPS

* DATA RATED TO IES STANDARD AT 35 °C (95°F) AMBIENT (26.7°C/80°F) INDOOR CONDITION

** DATA IS MEASURED AT 1M FRONT OF THE UNIT & 1M ABOVE THE GROUND

38HDT-H95-35L

MANUFACTURER RESERVES THE RIGHT TO DISCONTINUE OR CHANGE AT ANY TIME. SPECIFICATIONS OR DESIGNS WITHOUT INCURRING OBLIGATIONS

GUIDE SPECIFICATIONS

Furnish and install air cooled condensing unit in the location and manner shown in IOM. The unit shall be properly assembled and tested at the factory. It shall be designed for use with refrigerant R-22 and shall be suitable for use with 400-3 ∅ -50Hz electrical supply.

The condensing unit shall have capacity of..... watts or more, with the temperature of air entering condenser at °C db and a saturated suction temperature at °C.

The condenser coil shall be of non-ferrous construction such that it has aluminium plate fins with "Lanced Sine Wave" pattern mechanically bonded to seamless copper tubing. The unit shall be furnished with direct driven, propeller type fan arrangement for horizontal discharge. The unit shall have a fan guard build of metal and offers quick access and easy maintenance. The condenser fan motor shall have inherent protection and shall be of the permanently lubricated type.

The compressor shall be the fully-hermetic reciprocating type and shall come equipped with crankcase heater. The controls shall be factory wired and located in a separate enclosure. Safety devices shall consist of high and low pressure switches and compressor overload devices. Unit wiring shall incorporate a positive acting timer to prevent short cycling of compressor if power is interrupted.

Casing shall make unit fully weatherproofed for outdoor installation. The panels shall be manufactured from heavy gauge galvanealed steel, phosphatised and finished in baked enamel powder paint.

The dimension of the entire assembly shall not be more than 945 high, 1130 length and 432 width.

COMPATIBLE WITH



42AR SERIES



40LC SERIES



Carrier
International
Sdn. Bhd.
Malaysia