

CARRIER · AQUAFORCE 30XA

Carrier 30XA Air Cooled Screw Chiller

AquaForce air-cooled screw chiller, 80–500 TR, R-134a, Touch Pilot control.

Origin: Carrier, Malaysia / China · Category: Electric Chillers



COOLING

CAPACITY

80–500 TR

REFRIGERANT

R-134a

POWER SUPPLY

**415 V / 3 ph /
50 Hz**

IPLV

up to 5.9

SOUND (10 M)

**from 68
dB(A)**

WARRANTY

12 months

Overview

Carrier AquaForce 30XA is a premium air-cooled screw chiller with twin-rotor 06T compressors, Novation micro-channel condenser coils and Touch Pilot control. It is the machine MHM proposes when a client wants a global brand with high part-load efficiency and low sound on a rooftop.

MHM Engineering is an authorised supply and service partner, holding genuine Carrier spares in Dhaka and trained technicians for commissioning and AMC.

Design features

Hermetic scroll or semi-hermetic screw compressors

Low-vibration compressors with capacity staging keep part-load efficiency high across textile and pharma duty cycles.

Microprocessor controller with Modbus RTU

Leaving-water setpoint, alarms and run hours are readable on the panel and shared to a BMS over RS-485.

Electronic expansion valve

Stable superheat control at 25–100% load and during Dhaka summer ambient swings up to 42 °C.

Hydrophilic-coated condenser fins

Corrosion-resistant fins with 40% longer service life in humid, dusty rooftop conditions.

Phase and pressure protection

Phase-loss, reverse-phase, high/low pressure, anti-freeze and flow-switch interlocks as standard.

Factory run-tested

Every unit is charged, run-tested and tagged with a test certificate before dispatch.

Typical applications

- Hospitals
- Corporate offices and malls
- Pharmaceutical plants
- Data centres
- Export-oriented garment factories

Technical data — AquaForce 30XA

Model	Capacity (TR)	Capacity (kW)	Input power (kW)	Compressors	L × W × H (mm)	Weight (kg)
30XA-080	80	281	93.7	1 × screw	4300 × 2250 × 2300	3450
30XA-140	140	492	160.1	2 × screw	6600 × 2250 × 2300	5600
30XA-200	200	703	228.4	2 × screw	8900 × 2250 × 2300	7300
30XA-300	300	1055	342.2	2 × screw	11950 × 2250 × 2300	10400
30XA-400	400	1407	457.0	3 × screw	14150 × 2250 × 2300	13100
30XA-500	500	1758	571.5	4 × screw	16600 × 2250 × 2300	15900

Ratings at standard conditions stated in the facts above. Intermediate capacities, alternative voltages and special options on request; MHM selects the model for your load, ambient and water conditions.



Selection, installation and after-sales by MHM Engineering

Send your capacity, ambient / water conditions and site drawings to sales@mhmmachineries.com or call +880 1321-206755. Every Carrier unit is commissioned by our own engineers and covered by an annual maintenance contract with genuine spares stocked in Dhaka.