

Hilson Moran Partnership Ltd

12.01 CHILLERS

The chillers are to be Airedale TCC12R10S-04

The contact is Airedale Limited

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General	
Cooling Capacity (kW)	590
EER	5.28
ESEER	9.45

Performance Data	
EER	3.44
ESEER	5.32
Total Input Power (kW)	171.7
Fluid	100% Water
Fluid flow rate (l/s)	23.4
Design Ambient Temperature	35°C
Fluid Inlet Temperature	12°C
Fluid Outlet Temperature	6°C

Refrigerant	
Refrigerant Type	R134a
Refrigerant Charge	319kg

Compressors	
Type	Turbocor TT300
Nr	2
Nr of capacity steps	15-100%
Lubrication	Oil Free

Fans	
Type	Axial
Quantity	10

Sound Power Level								
63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Tot
(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
90.7	88.7	87.9	83.9	84.7	79.3	80.5	84.3	89.9

Sound Pressure @ 10 meters								
63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	Tot
(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)	(dB)
57.8	55.8	55.0	51.0	51.8	46.4	47.6	51.4	57.0

Electrical Data	
Power Supply (V/ph/Hz)	400/3/50

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Full Load Amps (A)	309
Nominal Current Draw (A)	266

Dimensions
Length (mm) 6022
Width (mm) 2200
Height (mm) 2800

Notes

1. Integral refrigerant leak detection shall be included and should be part of the chiller unit and supplied by the manufacturer during initial installation.
2. Factory fitted integral refrigerant migration shall be included for by the manufacturer.