FRIGOTHERM ENGINEERING (PTY) LTD

Heat Exchangers FOT

Submit by Email | Print Form

Request for Quotation

Design Data Questionnaire : Air Blast Oil / Water Coolers

In order to evaulate the design data and to ensure that any equipment subsequently selected and purchased will be compatible with the end user's requirement, certain minimum data is required. Please enter the operational data below.

Quote Reference		Equipment Description	
Customer		Date	
Fax Number		Telephone Number	
Contact Person		email	

HOT MEDIUM

Media ◯ Oil ◯ Water

Inlet Temperature		deg C
Outlet Temperature		deg C
Viscosity @ 40 deg C		cSt
Flow Rate		l/min
Heat Rejection		kW
Maximum Operating Pressure		bar
Allowed Pressure Drop		kPa

COOLING MEDIUM

Air

Inlet Temperature		deg C

Heat Rejection Estimates

Fill in the below block if heat rejection is unknown.

Installed Pump Power		kW
HP Cylinder Pressure		bar
HP Cylinder Flow		l/min
Tank Volume		l
Tank Surface Area		m2
Heat Retention		K/h
Location		masl

Fan Drive

Voltage ◯ 220VAC ◯ 380VAC ◯ 525VAC ◯ 12VDC ◯ 24VDC ◯ Other - Specify

Frequency ◯ 50Hz ◯ 60Hz **Protection** ◯ IP55 ◯ IP66 **Material** ◯ Aluminium ◯ Cast Iron

Supplier ◯ Siemens ◯ WEG ◯ Other - Specify ◯ Electrical Motor ◯ Hydraulic Motor ◯ No fan and motor required

Corrosion Protection ☐ Sandblasted and Epoxy Coated

Construction ◯ Hot Dip Galvanised ◯ Extruded

Materials of Radiator ◯ AISI 316 ◯ AISI 304 ◯ C.Steel

Optional Extras ☐ Oil Reservoir ☐ Air Filter Element ☐ Bi-metal Thermostat ☐ Integrated Circulation Pump

Maximum Dimensions _____ m (W) _____ m (H) _____ m (D)

Documentation ☐ Material Certificates ☐ Pressure Test Certificate ☐ Third Party Inspection ☐ QCP ☐ Stress Calculation ☐ Thermal Design Calculation ☐ Parts List and Material Data

Notes