

12 Performances and Technical Data

CENTAC COMPRESSOR Model C700 C70MX3

Inlet Conditions:

Barometric Pressure	Bar(a)	0.880
Inlet Pressure	Bar(a)	0.860
Inlet Temperature	°C	40
Humidity	%	40
Inlet Water Temperature	°C	30

Performance Data:

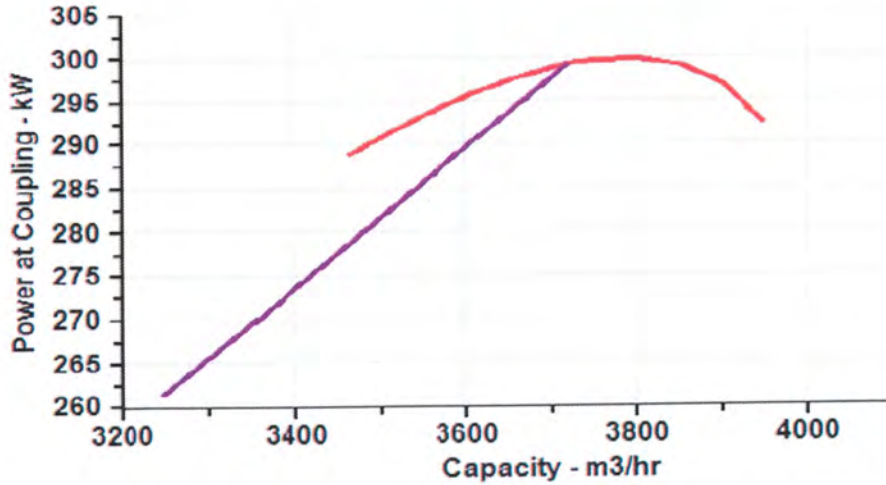
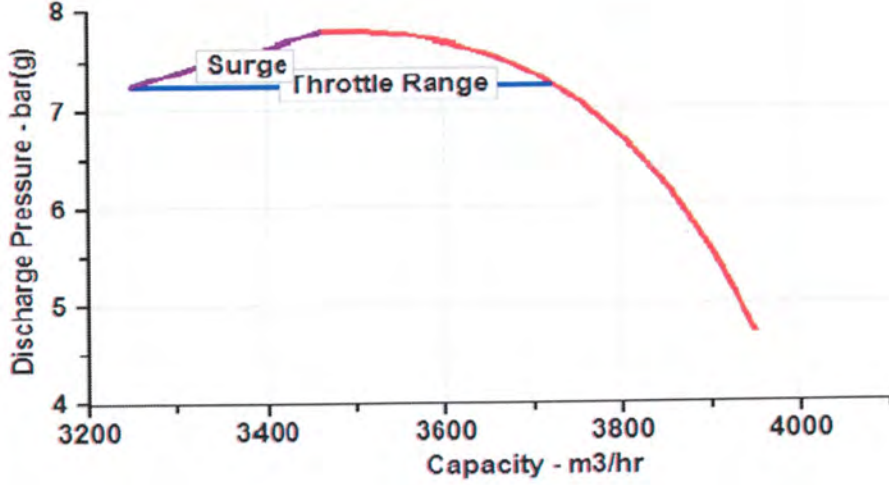
Capacity	m ³ /h	3722
Surge Pressure	Bar(g)	7.7
Operating Pressure	Bar(g)	7.2
Shaft Power	KW	299.2
Specific Power	KWh/ m ³	0.080
Motor Power	KW	350
Motor Service Factor		1.0
Motor Efficiency	%	95
Voltage	V/ ph / Hz	6000 / 3/ 50
Outlet Air Temperature	°C	41
Cooling Water Flow	L/min	395
Unloaded Power @ Shaft	KW	83.2
Throttled Capacity Range @ Discharge	m ³ /h	3247 / 3722
Throttled Power Range @ Shaft	KW	261 / 299

(*)Tolerances according ISO 5389 "Turbocompressors - Performance test code" are guaranteed basis the following ;

± 5% on specific power
Industrial test tolerances are applied.
Nm3 is referred to 1.013,0%,0°C

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Performance Curves



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Industrial test tolerances are applied.
Nm³ is referred to 1.013,0%,0°C