

Technical Data Sheet

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Characteristics

Characteristic	Symbol	C30-64	C30-74	C30-84	C30-94
Power range ¹	P _{range}	100-280 Hp	150-300 Hp	200-320 Hp	250-400 Hp
Max mass flow rate	M _{flow}	0.26 kg/s	0.28 kg/s	0.30 kg/s	0.37 kg/s
Drive unit-ratio	N	1:9.49			
Drive efficiency	η	96%			
Pulley diameters available	Ø _{pulley}	70, 75, 80, 85, 90, 95, 100, 105, 110 mm 7 rib aluminium or 8 rib steel - PK profile			Only steel pulleys
Unit weight	M	5.1 Kg (11.2 lbs)			
Rotational direction	R _{in direction}	Clockwise rotation, as seen from pulley side			
Peak input shaft speed	R _{in max}	12,600 rpm			10,500 rpm
Peak impeller speed	R _{out max}	120,000 rpm			100,000 rpm
Min inlet oil temperature	Toil,in _{min}	-40°C (-40°F)			
Max inlet oil temperature	Toil,in _{max}	+80°C (176°F)			
Mounting torque Pulley bolt	M10	50Nm (37 ft-lb)			
Mounting torque Bracket bolts	M6x78	9Nm (6.6 ft-lb)			
Mounting torque Oil banjo bolts	M10x1	21Nm (15.5 ft-lb)			

¹ Power output is dependent on engine type, cooling, cam-timing etc.

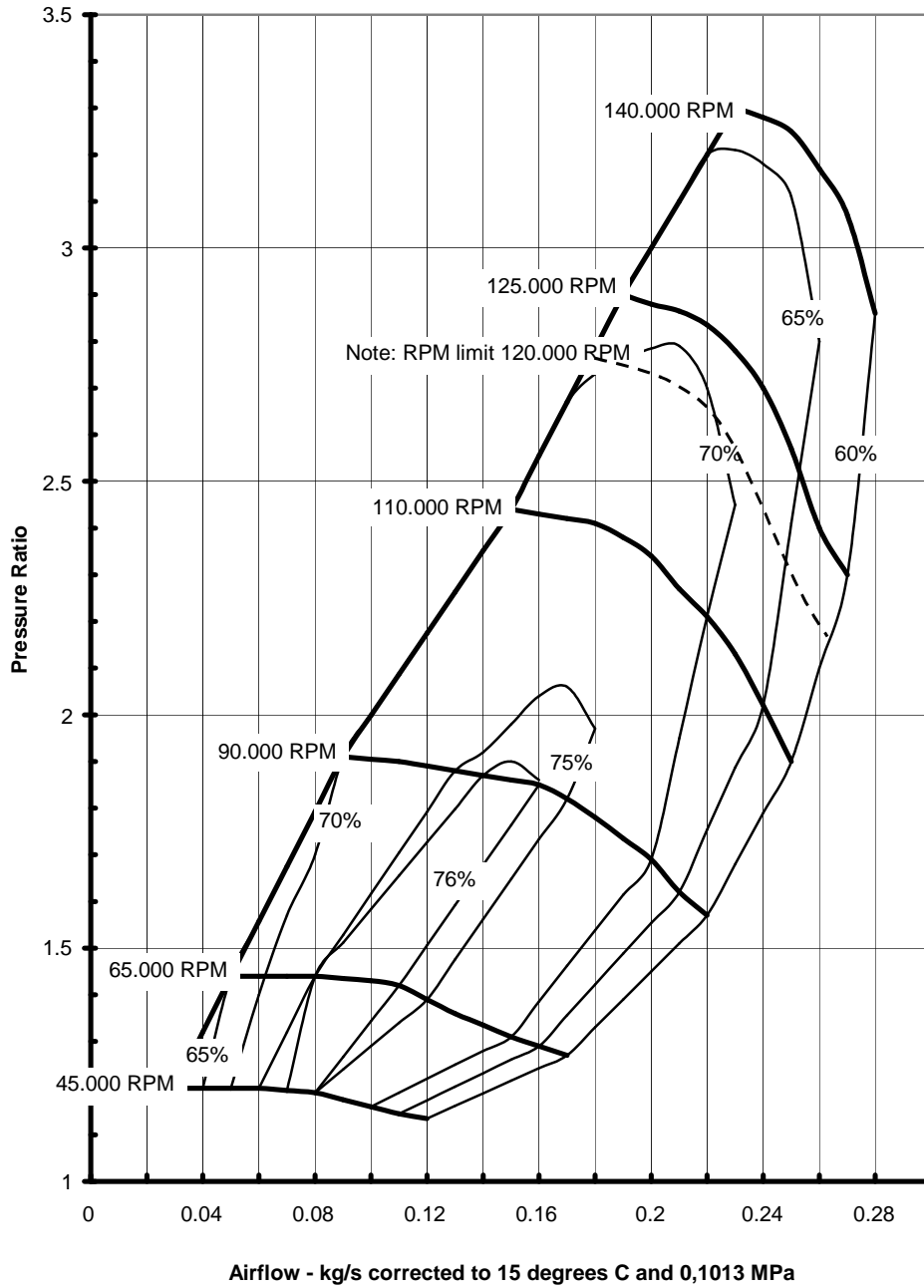
Conversion Toolbox

Temperature conversion	$^{\circ}\text{C} = \frac{5}{9} \times (^{\circ}\text{F} - 32)$ OR $^{\circ}\text{F} = \frac{9}{5} \times ^{\circ}\text{C} + 32$
Kg/s to CFM conversion	$\text{CFM} = \frac{\text{kg}}{\text{s}} \times 1731.8$ @ 15°C and 0.1013MPa

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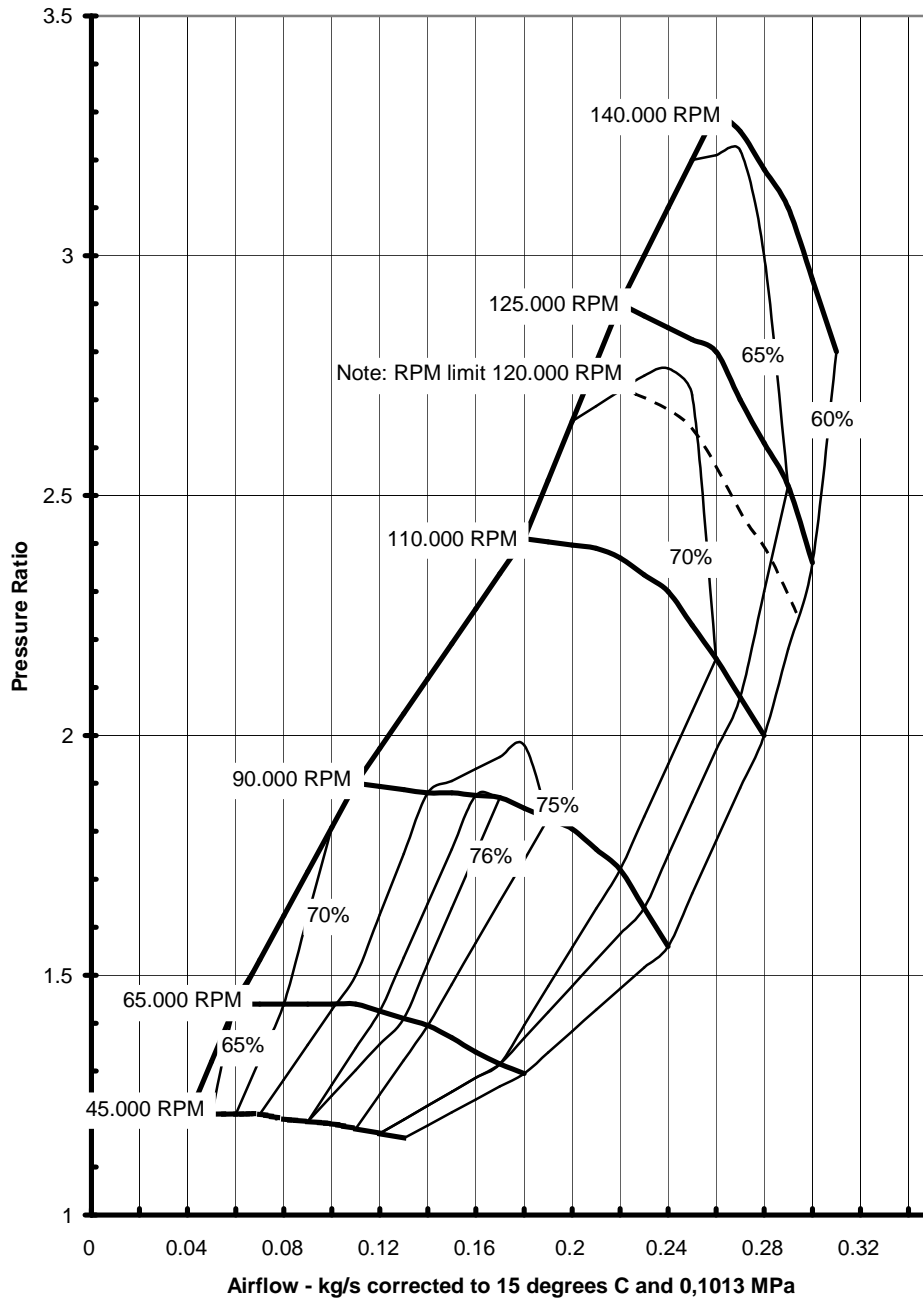
Flow chart C30-64



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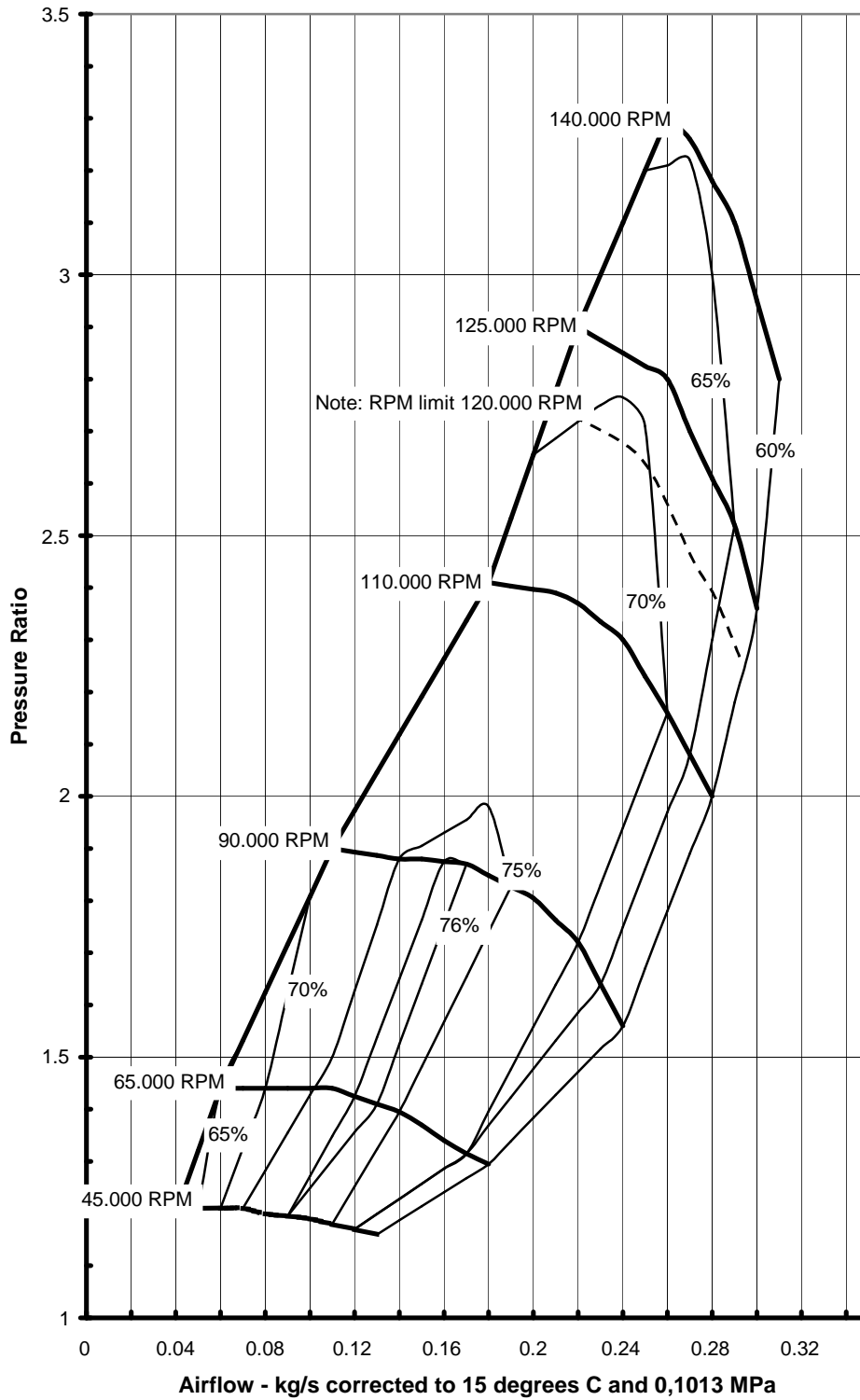
Flow chart C30-74



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Flow chart C30-84



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Flow chart C30-94

