

## IPEload R134a mech. wat.

### Compact load unit for automotive compressors

- Manual control of process variables HP, LP, Superheat
- No external power supply required
- Dial gauges to monitor operating pressure levels
- Low weight
- Connection to chilled water network required



<b>Device</b>	
Supported refrigerants	R134a
Refrigerant connections	HP (3/4"-16 UNF) / LP (7/8"-16 UNF)
Coolant connections	Inlet (3/4") / outlet (3/4") - outside thread
Service connections	HP / LP (7/16" UNF)
Dimensions	B600 mm x H750 mm x T450 mm (23.62 in x 29.53 in x 17.72 in)
Weight	40 kg (88 lb)
Type of control	Manual
Power consumption, typical	0 W (mechanical)
Number of sight glasses	1 - refrigerant level
Number of pressure gauges	3
HP gauge - hot gas pressure	-1 ... 40 bar
MP gauge - medium pressure	-1 ... 25 bar
LP gauge - suction pressure	-1 ... 15 bar
Working temperature range	Max. 40 °C (104 °F)
<b>Electrical connections</b>	
<b>Supply</b>	
Refrigerant amount test circuit	Max. 1.6 kg (R134a)
Supported coolants	Water / brine (70% water / 30% glycol)
Coolant temperature inlet	6 °C
Coolant mass flow	400 kg/h
Coolant differential pressure	p > 0.5 bar
<b>Control ranges</b>	
Discharge pressure range	8 ... 28 bar
Suction pressure range	1.5 ... 6 bar
Superheating - suction line	5 ... 40 K

Refrigerant mass flow	30 ... 250 kg/h
<b>Mechanical compressor</b>	
Magnetic clutch	Ext.
Control ECV	Ext.
Compressor speed	Ext.
<b>Electric compressor</b>	
Control	Ext. (LIN / CAN Bus & IPEmotion software)