

## IPEload R134a auto. air

### Compact load unit for automotive compressors

- Internal cooling simplifies replacement of the compressor
- Automatic control of process variables HP, LP, EVC
- Integrated PLC system with handheld terminal
- User administration with access right control
- No connection to chilled water network required
- Dial gauges to monitor operating pressure levels
- (Image similar)



<b>Device</b>	
Supported refrigerants	R134a
Refrigerant connections	HP (3/4"-16 UNF) / LP (7/8"-16 UNF)
Service connections	HP / LP (7/16" UNF)
Dimensions	B700 mm x H1350 mm x T750 mm (27.56 in x 53.15 in x 29.53 in)
Weight	ca 150 kg (330 lb)
Type of control	PLC-controlled / handheld terminal
Power consumption, typical	Approx. 2.6 kW
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	10 ... 30 °C (50 ... 86 °F), max. 70 % r.H.
<b>Electrical connections</b>	
Power supply	1 x16 A, 230 V AC, 50 Hz Schuko
Magnetic clutch	2 x 4 mm (banana) plug
Nutating disc	2 x 4 mm (banana) plug
<b>Supply</b>	
Internal cooling device	Approx. 1 kg (R134a)
Refrigerant amount test circuit	Max. 1.6 kg (R134a)
<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	On/off, 12 VDC & 24 VDC
Control ECV	0 ... 1000 mA
Compressor speed	Ext.
<b>Electric compressor</b>	
Control	Ext. (LIN / CAN Bus & IPEmotion software)