SLIMLINE DC POWER PACKS

Industry standard range of 12V & 24V dc power packs for a wide range of mobile applications Flows up to 20 l/min Pressures to 270 bar Motors: 800W, 1,6kW & 3kW (nominal ratings)

Pressure balanced gear pumps for quiet operation Versatile horizontal or vertical configuration Interchanges with market-leading products High quality motors with replaceable brushes (except 800W)

Solid aluminium alloy centre plate Wide range of options available Precision "quiet" relief valve





PERFORMANCE DATA MOTOR TYPE S

Nominal performance of motor/pump combinations at constant voltage and at a nominal 20-25°C with ISO VG32 oil.

Ratings:

S2 is short-time operation rating and is the time in minutes for the Brush temperature to reach 150° C. For example, a 12v motor with a 1,5 cc/rev pump delivers 4,8 l/min at 170 bar drawing a current of 229 amps. It could be operated from cold for 2.3 minutes under these conditions before the motor reaches its maximum rated temperature. The motor would have to be fully cooled before repeating the cycle.

S3 is the duty rating expressed as the percentage ON time in a 10 minute cycle. For example, a 10% S3 rating is one minute ON followed by 9 minutes OFF.

For Pump

1,0 cc/rev

1,5 cc/rev 2,3 cc/rev

For Pump

3,3 cc/rev 4,3 cc/rev

Motor

Ratings

S2 and S3

(see note above)

Capacities:

Capacities:

12v Motor

24v Motor







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PERFORMANCE DATA MOTOR TYPE C

Ratings:

S2 is short-time operation rating and is the time in minutes for the Brush temperature to reach 150°C. For example, a 12v motor with a 2,3 cc/rev pump delivers 4,4 l/min at 210 bar drawing a current of 227 amps. It could be operated from cold for 1 minute under these conditions before the motor reaches its maximum rated temperature. The motor would have to be fully cooled before repeating the cycle.

S3 is the duty rating expressed as the percentage ON time in a 10 minute cycle. For example, a 10% S3 rating is one minute ON followed by 9 minutes OFF.



24v Motor



TECHNICAL DATA ORDERING

Technical Specification

Hydraulic Fluid (recommended)

Mineral based hydraulic oil (HM or HV) Viscosity Ambient > 0°C ISO VG22 to 46 Ambient Temperatures Maximum

Each additional litre of tank capacity

Maximum	+40°C
Minimum	-20°C
Weight	
Typcial assembly, dry	11,4kg

Maximum Pressures (see performance curves) 1,0 1,5 2,3 cc/rev 3,3 cc/rev 240 bar

4,3 cc/rev 200 bar

Options Available

Lowering valves Flow controls (preset, ranges 08 l/min to 13 l/min) Heavy duty start switch Remote start/stop switch Manifolds/valves Cetop03 Manifolds/valves Series 35 Coil voltages 12v dc 110.50 ac 24v dc 230.50 ac

Smaller pumps (0,25 cc 0,50 cc 0,75 cc.rev) Waterproof boxes: integral pack/enclosures



1kg

Main Spares Kits (see separate sheet for comprehensive list)

Pump kit Seal kit	Code: KPH**01A Code: KSKS01A	** = pump size (see ordering codes)
Tank kit	Code: KTS***!01A	*** = tank size (see ordering codes) ! = Horizontal (H) or Vertical (V)
Motor kit	Code: KMD***01A	*** = normal motor code (eg 2RS)
Motor start kit	Code: KSW**!01A	* = 12v or 24v ! = Standard (S) Heavy Duty (H) Iskra (I)
Solenoid lowering valve Coil only	Code: FSLVG**H Code: FSLVN**H	**= 12v or 24v
Centre plate	Code: KCS01A Code: KCS11A	standard centre plate centre plate with drain

The products described are subject to development and the manufacturer reserves the right to change the specifications without notice.

