



Geared Self-Oiling Power Pumps

Figs. 2549 and 2550 (Cont.)

SPLASH GUARD. A concave disc deflector or splash guard between the gearbox and the pump acts as a special guard against water entering the drive gear should the packing box not be kept properly packed.

AIR CHAMBER. An Air Chamber is fitted to each pump as standard.

Special Feature

A special feature of these pumps is that a water by-pass is fitted as standard, to enable the engine to be started up free from load. This by-pass is opened when the unit is being started so that some of the water is by-passed from the discharge back into the suction. Then when the engine has got up to speed the by-pass is closed and the water is pumped along the discharge line.

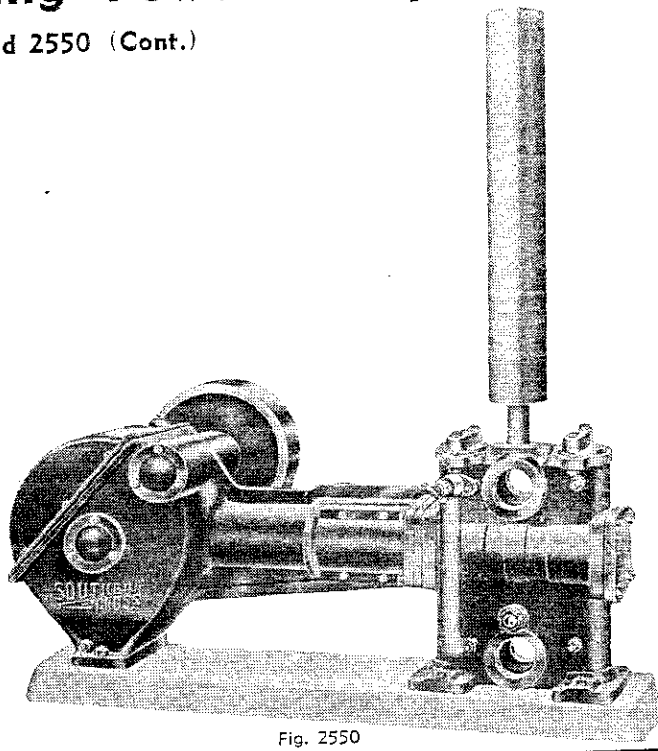


Fig. 2550

PUMPING CAPACITIES AND PRICES

| Mark | Bore | Stroke | Strokes Per Minute | | | Strokes Per Minute | | | Max. Head in feet | Min. H.P. Reqd. at Pump Pulley at 60 s.p.m. | Screwed | | Pump Less Pulley | |
|------|--------|--------|--------------------|-----|-----|---|------|------|-------------------|---|---------|--------|------------------|--|
| | | | 40 | 50 | 60 | 40 | 50 | 60 | | | Suc. | Dis. | | |
| AN-E | 2½ in. | 5 in. | 237 | 297 | 356 | 375 | 460 | 560 | 300 | 150ft. — 1½ H.P. 300ft. — 2½ H.P. | 1½ in. | 1½ in. | £41 0 0 | |
| AN-F | 3 in. | 5 in. | 237 | 297 | 356 | 540 | 675 | 810 | 300 | 150ft. — 1½ H.P. 300ft. — 3 H.P. | 1½ in. | 1½ in. | £43 0 0 | |
| AN-G | 3½ in. | 5 in. | 237 | 297 | 356 | 750 | 930 | 1125 | 300 | 150ft. — 2 H.P. 300ft. — 3½ H.P. | 2 in. | 1½ in. | £45 0 0 | |
| AN-H | 4 in. | 5 in. | 237 | 297 | 356 | 975 | 1210 | 1460 | 150 | 75ft. — 1½ H.P. 150ft. — 3 H.P. | 2 in. | 1½ in. | £47 0 0 | |
| AN-J | 5 in. | 5 in. | 237 | 297 | 356 | 1550 | 1950 | 2340 | 150 | 75ft. — 2½ H.P. 150ft. — 4 H.P. | 2½ in. | 2 in. | £50 10 0 | |
| AN-K | 5 in. | 6 in. | 243 | 304 | 364 | 1875 | 2340 | 2810 | 300 | 150ft. — 4½ H.P. 300ft. — 8½ H.P. | 3 in. | 3 in. | £84 10 0 | |
| AN-L | 6 in. | 6 in. | 243 | 304 | 364 | 2700 | 3375 | 4050 | 300 | 150ft. — 6½ H.P. 300ft. — 12½ H.P. | 4 in. | 4 in. | £102 0 0 | |
| | | | Strokes Per Minute | | | Strokes Per Minute | | | | | | | | |
| | | | 32 | 40 | 48 | 32 | 40 | 48 | | | | | | |
| | | | Pulley R.P.M. | | | Gals. Per Hour after allowing 10% for slip. | | | | | | | | |
| | | | 160 | 200 | 240 | 4000 | 5000 | 6000 | 300 | 150ft. — 9 H.P. 300ft. — 17 H.P. | 4 in. | 4 in. | £161 0 0 | |

PULLEYS.

- For 5" stroke pumps.
 - Flat Belt Pulley 14¾" diam. x 4" face £2/-/- extra.
 - or
 - Vee Belt Pulley 17¼" P.C.D. with 4 "A" grooves £3/-/- extra.
- For 6" stroke pumps.
 - Flat Belt Pulley 23" diam. x 6" face £3/-/- extra.
 - or
 - Vee Belt Pulley 18½" P.C.D. with 5 "C" grooves £4/10/- extra
- For 8" stroke pumps.
 - Flat Belt Pulley 30" diam. x 6" face £4/-/- extra.
 - or
 - Vee Belt Pulley 28¾" P.C.D. with 6 "C" grooves £6/-/- extra.

Where a more compact installation is required than is obtainable with pump and prime mover mounted separately these pumps can be supplied coupled to a Southern Cross Engine by "V" belts and mounted on a steel base.

We will be pleased to quote for such a unit on receipt of enquiry.