



North American Oil Pumps

Sheet 8564-1
Ref: Bulletin 8563/8564, Sheet 8564-2 and -3

In addition to the pumps listed on Bulletin 8563/8564, the following oil pumps are also available.

All pumps have mechanical seals. The sum of oil pressure at the pump inlet plus rated pump outlet pressure should not exceed 250 psi. These same pumps are available with packings instead of mechanical seals--consult North American.

All pumps listed have coupled drive with coupling guards. Pump heads are fitted with integral relief valves. System relief valves must also be used. Heavy oil pumps are sized for 2500 SSU maximum viscosity; higher viscosities will cause overloading. Heavy oil pumps can be used for light oil, but at reduced capacity (see table).

If a recirculating pump is required, select a heavy oil pump large enough to handle number of gpm to be circulated. Model numbers apply to pumps exactly as described. For pumps which differ in any way, check with North American.

Electrical specifications of 8564-6001, -6002, -6003, and -6004 pumps are 115-230/1/60; all other pump motors are 230-460/3/60.

Maximum Discharge Pressures

- Less than 38 SSU viscosity - 100 psig^①
- Less than 100 SSU viscosity - 150 psig
- Greater than 100 SSU viscosity - 250 psig

Pumps for Light Oil (38-100 SSU)

psi	GPM		motor		Drip-proof designation	Totally Enclosed ^② designation	Pipe size
	38 SSU	100 SSU	hp	rpm			
100	9.2	11	1½	1800	8564-2001	8564-2002	1"
	20	22.5	3	1800	2003	2004	1½"
	28	31.5	5	1800	2005	2006	1½"
	30	36	5	1200	2007	2008	2½"
	49	54	7½	1200	2009	2010	2½"
	67	74	7½	1200	2011	2012	3"
130	8.5	10.8	2	1800	8564-3001	8564-3002	1"
	19	22.5	3	1800	3003	3004	1½"
	27	31.5	5	1800	3005	3006	1½"
	29	36	5	1200	3007	3008	2½"
	47	54	7½	1200	3009	3010	2½"
	64	74	10	1200	3011	3012	3"
150	8.4	10.6	2	1800	8564-4001	8564-4002	1"
	18.5	22.5	5	1800	4003	4004	1½"
	26.5	31.5	5	1800	4005	4006	1½"
	28	36	7½	1200	4007	4008	2½"
	46	54	7½	1200	4009	4010	2½"
	62	74	10	1200	4011	4012	3"

The oil pump set price does not include the starter switch or heaters. See sheet 8564-3 for the starter switch and heaters selection chart, if these items are required. These parts must be listed separately on the order and will ship as loose items with the pump set. They are not mounted or wired to the pump set assembly.

① When the oil viscosity is less than 38 SSU and pressures greater than 100 psig are required, the capacities listed for 38 SSU will be reduced due to internal slippage; therefore, if the required pump is close to its maximum rating, choose the next size larger pump.
 ② Totally enclosed motors up to 1½ hp may be either TEFC or TENV, depending on manufacturer. Larger sizes are TEFC.