



# Cat<sup>®</sup> CST65

DRIVE SYSTEM

## Specifications

### Typical Application

Chain Type Longwall Machinery like Armored Face Conveyors (AFC)

### Maximum Output Torque (for 3 sec) $T_{max}$ [N·m]

KP-65 CST/P-65 CST      650 000 N·m      479,415 lb/ft

### Rated Power P

Ratio i [-]	Rated Power P (n = 1,480 rpm)	Rated Power P (n = 1,800 rpm)
28	1200 kW	1,958 hp
33	1200 kW	1,958 hp
39	1000 kW	1,632 hp
45	900 kW	1,468 hp
50	800 kW	1,305 hp

### Dimensions

#### KP-65 CST

Length	2910 mm	114.6 in
Width	1530 mm	60.2 in
Height	1060 mm	41.7 in

#### P-65 CST

Length	1887 mm	74.3 in
Width	1120 mm	44.1 in
Height	1060 mm	41.7 in

### Requirements of Cooling Water

Required Cooling Water Quantity	25 L/min	6.6 gal/min
Maximum Water Inlet Temperature	25° C/298.15 K	77° F/298.15 K

### Capacity

#### KP-65 CST

Oil Quantity	800 L	211 gal
Gearbox Weight (without oil)	10 880 kg	23,980 lb

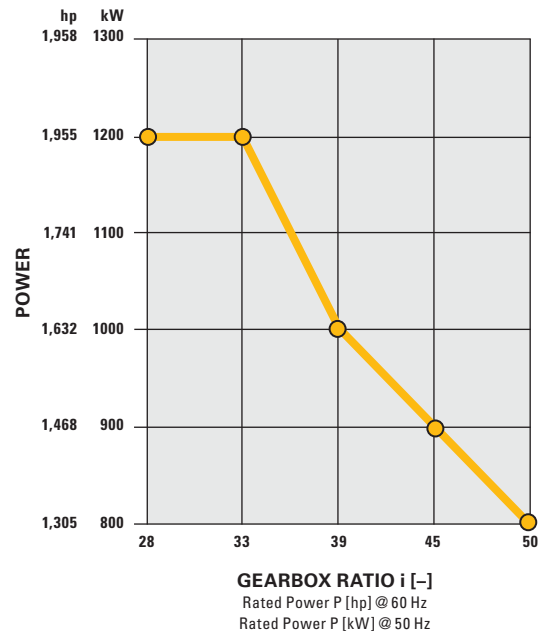
#### P-65 CST

Oil Quantity	500 L	132 gal
Gearbox Weight (without oil)	7300 kg	16,094 lb

### Shaft Design

Input Shaft (cylindrical)      DIN 5480-W 120×4

Output Shaft with Internal Tothing      DIN 5480-N 320×10



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