

Cat[®] CST65

GEARBOX

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

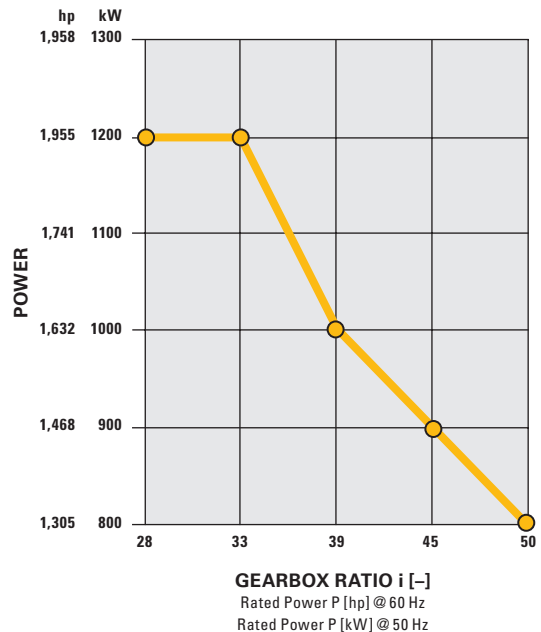
Oil Quantity	800 L	211 gal
Gearbox Weight (without oil)	10 880 kg	23,980 lb

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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