

# Cat<sup>®</sup> CST115

## GEARBOX

### Specifications

#### Typical Application

Chain Type Longwall Machinery like Armored Face Conveyors (AFC)

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

**KP-115 CST/P-115 CST**      1 150 000 N·m      848,196 lb/ft

#### Rated Power P

Ratio i [-]	Rated Power P (n = 1,485 rpm)	Rated Power P (n = 1,782 rpm)
39	1800 kW	2,937 hp
46	1800 kW	2,480 hp

#### Dimensions

##### KP-115 CST

Dimension	mm	in
Length	3600	141.6
Width	2029	79.8
Height	1300	51.1

##### P-115 CST

Dimension	mm	in
Length	2811	110.6
Width	1400	55.1
Height	1300	51.1

#### Capacity

##### KP-115 CST

Parameter	L	gal
Oil Quantity	1300	212
Gearbox Weight (without oil)	23 980 kg	52,851 lb

##### P-115 CST

Parameter	L	gal
Oil Quantity	700	132
Gearbox Weight (without oil)	16 400 kg	36,145 lb

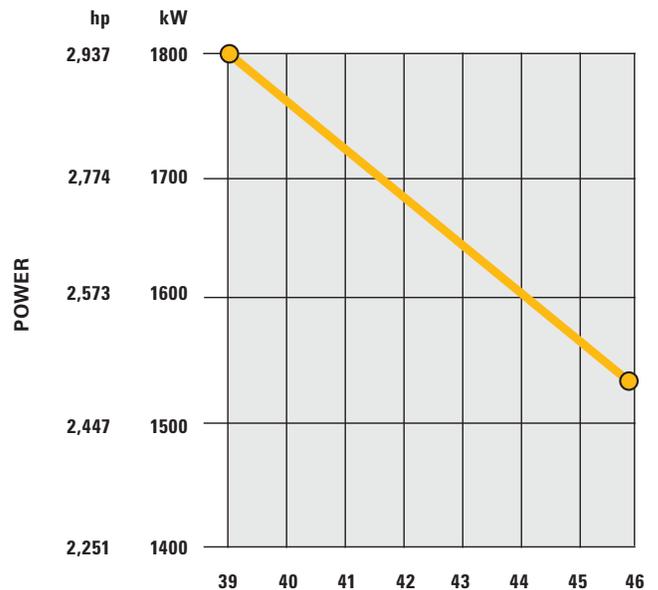
#### Requirements of Cooling Water

Required Cooling Water Quantity	90 L/min	23.8 gal/min
Maximum Water Inlet Temperature	25° C/298.15 K	77° F/298.15 K

#### Shaft Design

Input Shaft (cylindrical)      DIN 5480-W 140×4

Output Shaft with Internal Tothing      DIN 5480-N 360×10



**GEARBOX RATIO i [-]**  
Rated Power P [hp] @ 60 Hz  
Rated Power P [kW] @ 50 Hz

# CST115 Gearbox

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AEHQ6880-01 (01-2017)  
Replaces AEHQ6880

