

NGC Gearbox Model by GE Turbine Platform Reference Guide

For over 50 years, NGC has been trusted to design and manufacture high-quality geared products for the world's most demanding applications. Today, our products deliver continuous, reliable torque in thousands of turbine installations worldwide. The tables below summarize NGC's gearbox models by GE turbine platform.



GE 1.X PLATFORMS

Turbine Model	Gearbox Model	Ratio	Torque (kNm)	Rated Power (KW)
GE/EW 1500-65	FDM-72S / AFDS-1660	71.700	-	-
GE 1.5-70.5 non-ESS (575V)	FDM-72S / AFDS-1660	71.700	-	-
GE 1.5-77 ESS	FDM (R8-R13)	78.200	919	1,770
GE 1.5-77 non-ESS (575V)	FDM (R9B-R9C)	78.200	919	1,770
GE 1.5 + 1.6 Repower non-ESS (575V)	FDMF	89.500	995	1,750
GE 1.6-82.5 ESS	FDMX (R1-R7)	85.700	938	1,660
GE 1.6-87 ESS	FDMX (R1-R7)	85.700	938	1,660
GE 1.6-100 ESS	FDMX (R1-R7)	85.700	938	1,660
GE 1.7-100 ESS	FDMD (R1-R5)	89.500	1,125	1,935
GE 1.85-82.5 ESS	FDMD (R1-R5)	89.500	1,125	1,935
GE 1.85-87 ESS	FDMD (R1-R5)	89.500	1,125	1,935

GE 2.X PLATFORMS

Turbine Model	Gearbox Model	Ratio	Torque (kNm)	Rated Power (KW)
GE 2.2-107	FDM2	104.300	1,580	2,383
GE 2.3-107	FDM2	104.300	1,580	2,383
GE 2.3-116	FDM2	104.300	1,580	2,383
GE 2.4-107	FDM2	104.300	1,580	2,383
GE 2.5-116	FDM2C	111.990	1,980	2,778
GE 2.5-120	FDM3D (R1 & R2)	110.834	2,090	2,735
GE 2.5-127	FDM2C	111.990	1,980	2,778
GE 2.7-116	FDM2F	111.900	2,200	3,087
GE 2.75-120	FDM3D (R4 & R4B)	110.834	2,300	3,011
GE 2.8-127	FDM2F	111.900	2,200	3,087
GE 2.85-103	FDM3B (R1 & R2)	93.877	1,993	3,085

GE 3.X PLATFORMS

Turbine Model	Gearbox Model	Ratio	Torque (kNm)	Rated Power (KW)
GE 3.2-103	FDM3B (R4 & R5)	93.877	2,261	3,499
GE 3.2-130	FDM4B	115.000	2,740	3,501
GE 3.6-137	FDM5B	121.800	3,318	3,972
GE 3.8-130	FDM5D	115.200	3,319	4,206

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