

# Type A Amplifier for proportional control valves

The following power amplifier models are covered in this catalog

**Table 2.**

<b>Power amplifier</b>	<b>For proportional valve</b>
EEA-PAM-513-A-33	KCG-3, 1* series KCG-6/8, 1* series KX(C)G-6/8, 1* series
EEA-PAM-523-A-33	KTG4V-3...H*, 6* series KDG4V-3...H*, 6* series KDG5V-5/7/8, 1* series
EEA-PAM-525-A-33	KTG4V-5...H*, 3* series KDG4V-5...H*, 3* series
EEA-PAM-533-A-33	KFTG4V-3, 2* series KFDG4V-3, 2* series
EEA-PAM-535-A-33	KFTG4V-5, 2* series KFDG4V-5, 2* series
EEA-PAM-541-A-33	KHDG5V-5/7/8, 3* series With zero-lapped main spool
EEA-PAM-553-A-33	KSDG4V-3, 1* series
EEA-PAM-561-A-33	KFDG5V-5, 3* series KFDG5V-7, 1* series
EEA-PAM-568-A-33	KFDG5V-8, 1* series
EEA-PAM-571-A-33	CVU-**-EFP1-3*
EEA-PAM-581-A-33	KHDG5V-5/7/8, 3* series

## Valve connection table

This table shows how the different valves have to be connected to the associated amplifier.

**Table 6.**

Value type	Amplifier type	Solenoid with LVDT or hydraulic A	Solenoid without LVDT or hydraulic B
KCG-3/6/8 and KX(C)G-6/8	EEA-PAM-513-A-33	b26/b28	-
K*G4V-3 and KDG5V-5/7/8	EEA-PAM-523-A-33	b26/b28	z26/z28
K*G4V-5	EEA-PAM-525-A-33	b26/b28	z26/z28
KF*G4V-3	EEA-PAM-533-A-33	b26/b28	z26/z28
KF*G4V-5	EEA-PAM-535-A-33	b26/b28	z26/z28
KHDG5V-5/7/8 zero lapped	EEA-PAM-541-A-33	-	z26/z28
KSDG4V-3	EEA-PAM-553-A-33	-	z26/z28
KFDG5V-5/7	EEA-PAM-561-A-33	-	z26/z28
KFDG5V-8	EEA-PAM-568-A-33	-	z26/z28
CVU-**-EFP1	EEA-PAM-571-A-33	-	z26/z28
KHDG5V-5/7/8	EEA-PAM-581-A-33	-	z26/z28

**Table 7.**

Valve type	Pilot stage LVDT					Main stage LVDT			
	Pin 1	2	3	4		Pin 1	2	3	4
KCG-3/6/8 and KX(C)G-6/8	-	-	-		Not connected	-	-	-	Not connected
K*G4V-3 and KDG5V-5/7/8	-	-	-			-	-	-	
K*G4V-5	-	-	-			-	-	-	
K*G4V-5	-	-	-			-	-	-	
KF*G4V-3	-	-	-						
KF*G4V-5	-	-	-						
KHDG5V-5/7/8 zero lapped	z14	z22	z16			b14	z22	b16	
KSDG4V-3	-	-	-			b14	z22	b16	
KFDG5V-5/7	-	-	-			b14	z22	b16	
KFDG5V-8	-	-	-			b14	z22	b16	
CVU-**-EFP1	-	-	-		b14	z22	b16		
KHDG5V-5/7/8	z14	z22	z16		b14	z22	b16		

Table 34. Continued

Model No	33- Series Assembly Number	32 -Series Assembly Number
EEA-PAM-553-A-33-EN14 ▲	105EC00053	02-326109
EEA-PAM-553-D-33	105EC00054	02-326043
EEA-PAM-553-D-33-EN27 ▲	105EC00055	02-326166
EEA-PAM-553-E-33	105EC00056	02-326053
EEA-PAM-561-A-33	105EC00057	02-326005
EEA-PAM-561-B-33	105EC00058	02-326025
EEA-PAM-561-C-33	105EC00059	02-326033
EEA-PAM-561-D-33	105EC00060	02-326044
EEA-PAM-561-E-33	105EC00061	02-326054
EEA-PAM-561-F-33	105EC00062	02-326061
EEA-PAM-568-A-33	105EC00063	02-326006
EEA-PAM-568-B-33	105EC00064	02-326026
EEA-PAM-568-C-33	105EC00065	02-326034
EEA-PAM-568-D-33	105EC00066	02-326045
EEA-PAM-568-E-33	105EC00067	02-326055
EEA-PAM-568-F-33	105EC00068	02-326062
EEA-PAM-571-A-33	105EC00069	02-326007
EEA-PAM-571-A-33-EN26 ▲	105EC00070	02-326165
EEA-PAM-571-A-33-EN55 ▲	105EC00071	3041197
EEA-PAM-571-B-33	105EC00072	02-326027
EEA-PAM-571-D-33	105EC00073	02-326046
EEA-PAM-581-A-33	105EC00074	02-326018
EEA-PAM-581-B-33	105EC00075	02-326028
EEA-PAM-581-C-33	105EC00076	02-326035
EEA-PAM-581-D-33	105EC00077	02-326047
EEA-PAM-581-D-33-EN3 ▲	105EC00078	02-326148
EEA-PAM-581-D-33-EN53 ▲	105EC00079	3041192
EEA-PAM-581-E-33	105EC00080	02-326056
EEA-PAM-581-F-33	105EC00081	02-326063
EEA-PAM-535-D-33 EN3 ▲	105EC00082	02-104849
EEA-EDC-436-D2-33	105EC00083	02-326130

### Special versions (▲)

Table 35.

EN version	Details
EN 3	SPECIAL VERSION OF EEA-PAM-535-A-33,EEA- PAM-535-D-33, EEA-PAM-581-D-33 WITH COMPATABILITY TO SWEDISH EMC STANDARDS
EN 8	SPECIAL VERSION OF EEA-PAM-511-A-33 WITH 30 SECOND RAMP TIME
EN9	SPECIAL VERSION OF EEA-PAM-535-B-33 WITH MODIFIED RAMP TIME
EN14	SPECIAL VERSION OF EEA-PAM-553-A-33 WITH MODIFIED DITHER FOR BETTER SMALL STEP RESPONSE
EN18	SPECIAL VERSION OF EEA-PAM-523-A-33 WITH DIFFERENT DITHER SETTING FOR KTG PLUS VALVISTOR-SLIP-IN LOWER HYSTERESIS
EN26	SPECIAL VERSION OF EEA-PAM- 571- A-33WITH HIGHER DITHER
EN27	SPECIAL VERSION OF EEA-PAM-553-D-33 FOR ABB SWEDEN
EN49	SPECIAL VERSION OF EEA-PAM-513-A-33 WITH 24 HOUR RUN IN TEST CONFORMAL COATED PCB
EN53	SPECIAL VERSION OF EEA-PAM-535-D-33, EEA-PAM-581-D-33,EEA-PAM-513-A-33 WITH ONLY CURRENT COMMAND INPUT OF 4 MA..20 MA
EN55	SPECIAL VERSION OF EEA-PAM-571-A-33 WITH 10 SECONDS RAMP TIME
EN57	SPECIAL VERSION OF EEA-PAM-535-D-33 WITH ONLY CURRENT COMMAND INPUT OF 4 MA..20 MA