



KDD Series

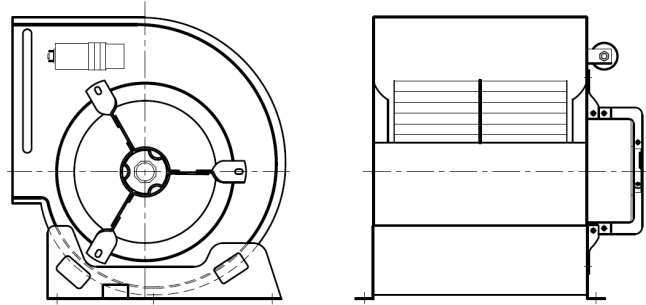
Double Inlet Direct Driven Centrifugal Fan



Double Inlet Direct Driven Centrifugal Fan - KDD SERIES



- DIDW direct driven centrifugal fans with forward curved impellers suitable for AHU, FCU and other OEM product requirement.
- The housing is manufactured in galvanized sheet steel with the housing constructed by means of “electric spot welding”.
- Forward curved wheel is made of galvanized sheet steel.
- The wheels are specially profiled to obtain a maximum efficiency and low noise level.
- Operating Temperature:-20°C to +40°C.

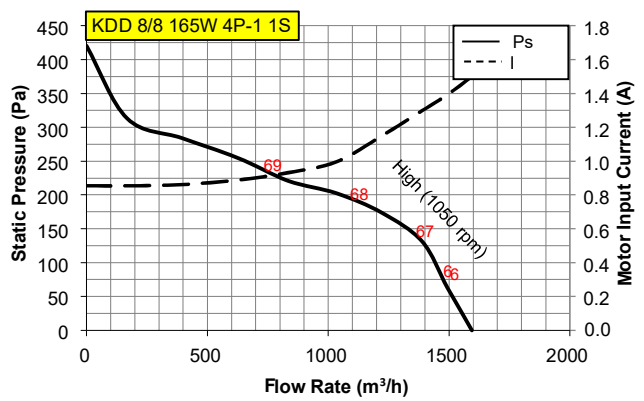
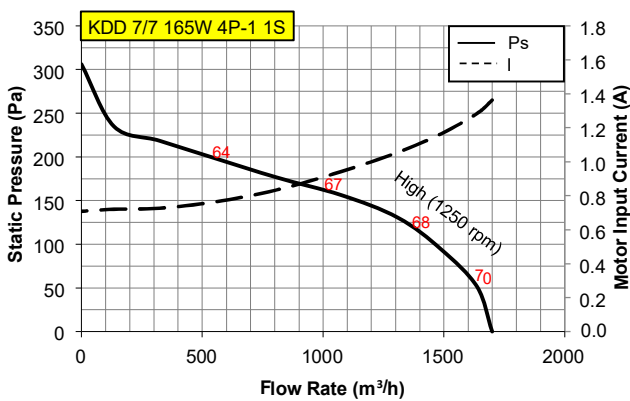


Technical Data

Model	Max Q (m³/h)	Installed Power (W)	Motor Protection	Phase	Pole	Hz	Maximum Current (A)	Voltage (V)	Capacitor (µF/V)	Insulation Class	Lp (A) at 3m free discharge (dB (A))*	Speed (RPM)	Wiring Diagram (Page 4)
KDD 7/7 165W 4P-1 1S	1700	165	IP20	1	4	50	1.4	220	7.5/450	F	49	1250	1 or 2
KDD 8/8 165W 4P-1 1S	1600	165	IP20	1	4	50	1.5	220	7.5/450	F	48	1050	1 or 2
KDD 9/7 350W 4P-1 3S	2620	350	IP20	1	4	50	4.9/4.1/3.3	220	12.5/450	F	55	1130/1030/960	5 or 6
KDD 9/7 375W 6P-1 3S	2840	375	IP20	1	6	50	3.0/2.0/1.7	230	20/450	F	54	950/860/770	5 or 6
KDD 9/7T 350W 4P-1 3S	2430	350	IP20	1	4	50	4.6/3.7/3.2	220	12.5/450	F	57	1170/1070/990	5 or 6
KDD 9/9 375W 6P-1 3S	3120	375	IP20	1	6	50	3.7/2.9/2.2	220	7.5/450	F	55	910/810/720	5 or 6
KDD 9/9 550W 4P-1 3S	3530	550	IP20	1	4	50	6.5/4.4/3.9	220	16/450	F	60	1200/1160/1090	5 or 6
KDD 9/9T 550W 4P-1 3S	3600	550	IP20	1	4	50	5.9/5.3/4.4	230	16/450	F	60	1260/1170/1110	5 or 6
KDD 10/8 375W 6P-1 3S	3240	375	IP20	1	6	50	3.7/2.9/2.2	220	12.5/450	F	53	830/720/650	5 or 6
KDD 10/10 245W 6P-1 3S	3040	245	IP20	1	6	50	4.5/2.9/1.7	220	20/450	F	55	840/660/630	5 or 6
KDD 10/10 375W 6P-1 3S	3550	375	IP20	1	6	50	3.9/2.8/2.3	220	12.5/450	F	51	830/730/700	5 or 6
KDD 10/10 550W 4P-1 3S	3650	550	IP20	1	4	50	6.5/5.2/4.4	230	16/450	F	58	1100/1040/1020	5 or 6
KDD 10/10T 550W 4P-1 3S	3440	550	IP20	1	4	50	6.7/5.5/4.4	230	16/450	F	56	1120/1020/960	5 or 6
KDD 9/7 350W 4P-1 3S6	2230	350	IP20	1	4	60	4.5/3.4/2.8	220	16/450	F	56	1220/1160/1110	3 or 4
KDD 9/9 350W 4P-1 3S6	2430	350	IP20	1	4	60	3.9/3.1/2.5	220	16/450	F	56	1140/1110/1090	3 or 4
KDD 10/8 550W 6P-1 3S6	3930	550	IP20	1	6	60	6.3/4.3/3.6	220	16/450	F	60	1010/880/850	5 or 6
KDD 10/10 550W 6P-1 3S6	3940	550	IP20	1	6	60	6.0/4.9/3.8	220	16/450	F	57	930/890/730	5 or 6

* Inlet Lp(A) sound pressure levels at 3m are measured at free discharge in spherical free field condition, inlet Lp(A) (dB(A)) levels are not licensed by AMCA International.
 - Performance shown is for installation type B – Free inlet, Ducted outlet.
 - Performance ratings do not include the effects of appurtenances (accessories).
 - Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Performance Data - 50 Hz

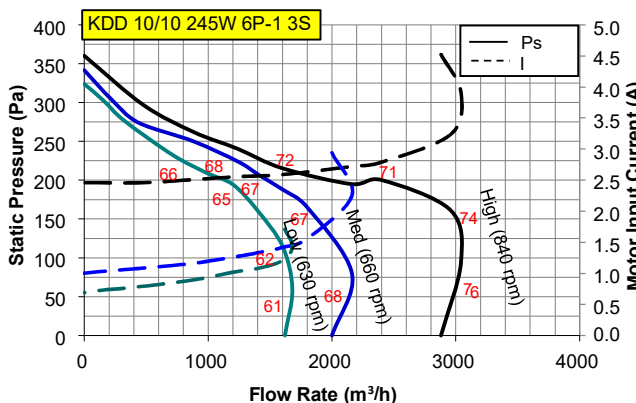
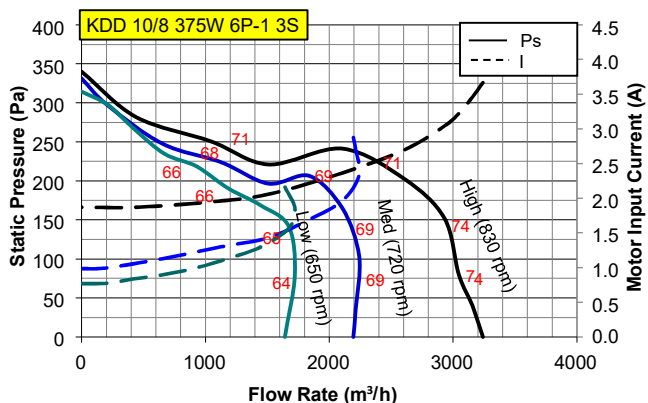
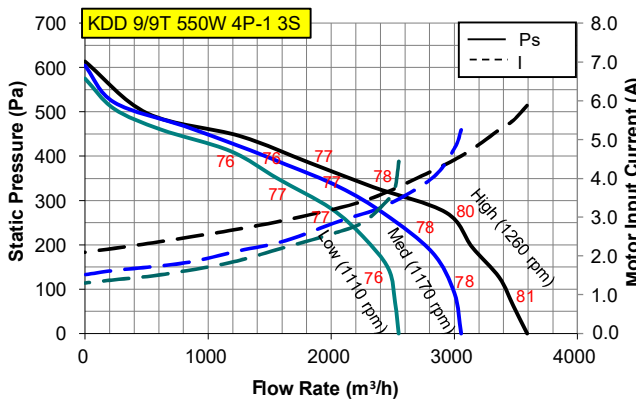
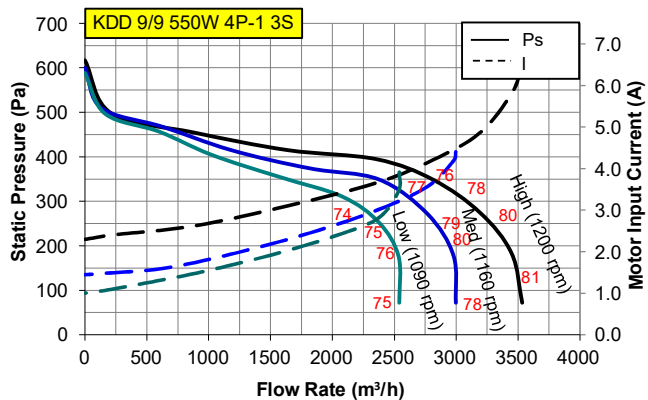
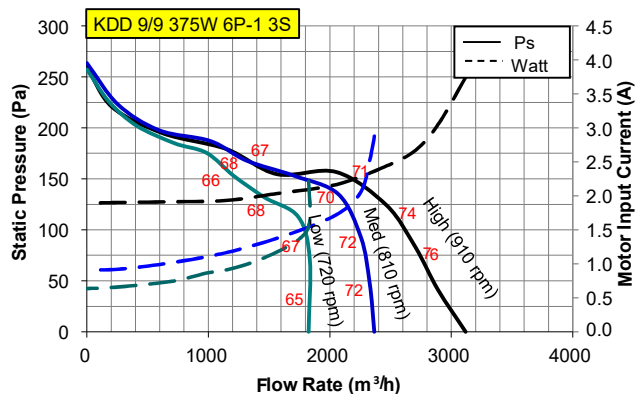
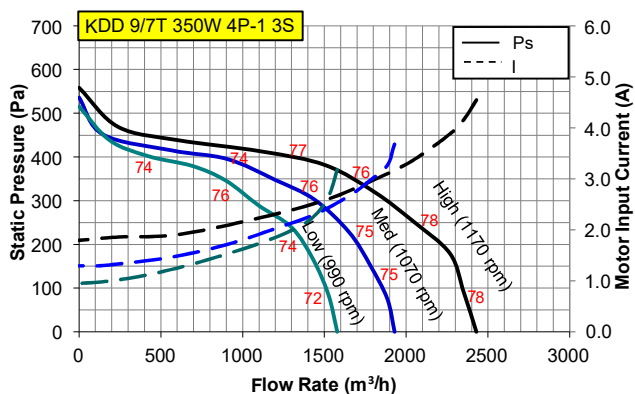
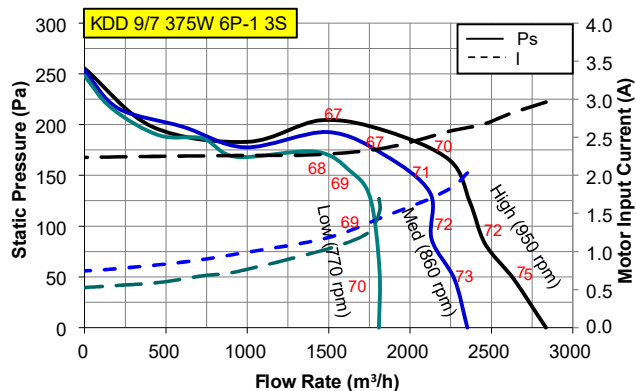
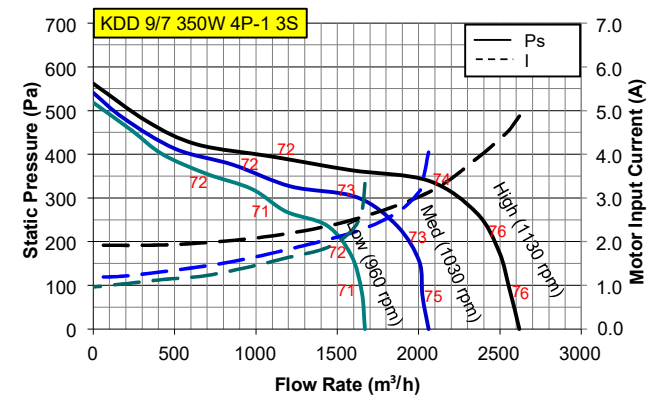


- Values shown are for inlet Lwi(A) sound power levels for installation type B – Free inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.
 - Performance shown is for installation type B – Free inlet, Ducted outlet.
 - Performance ratings do not include the effects of appurtenances (accessories).
 - Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Double Inlet Direct Driven Centrifugal Fan - KDD SERIES



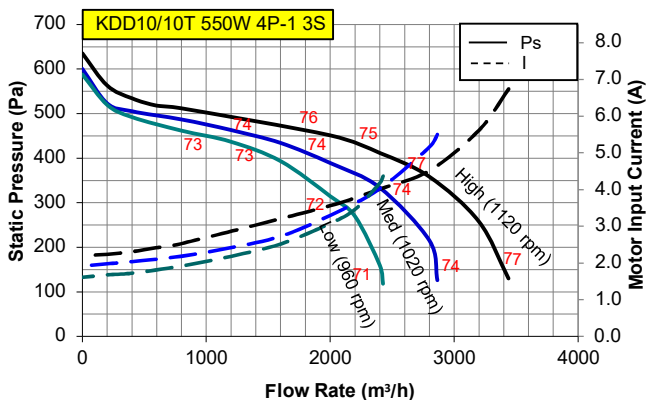
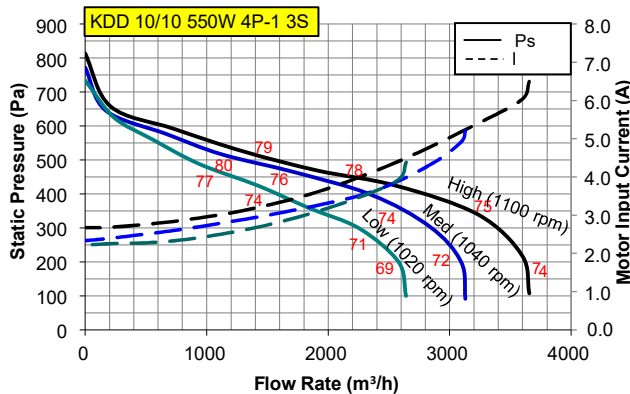
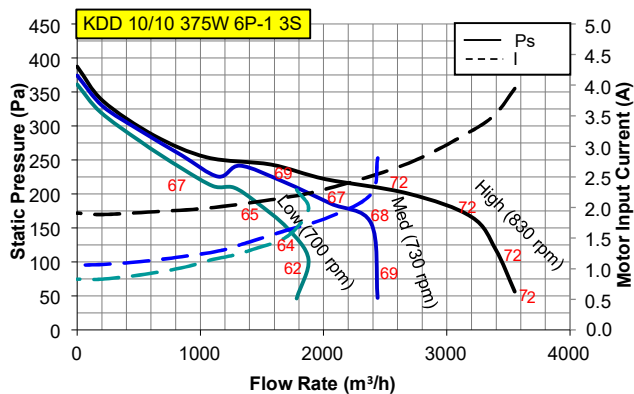
Performance Data - 50 Hz



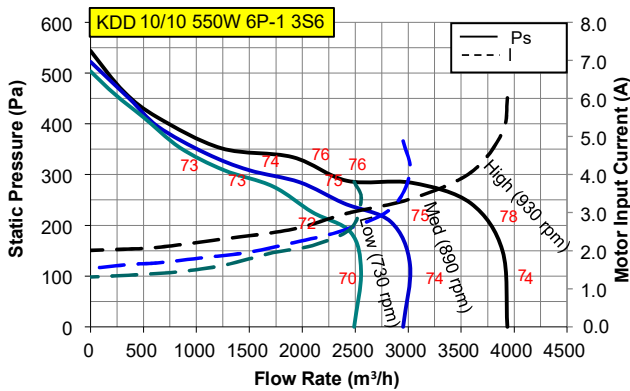
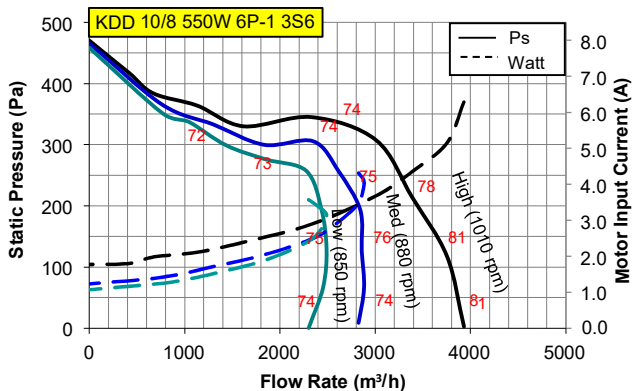
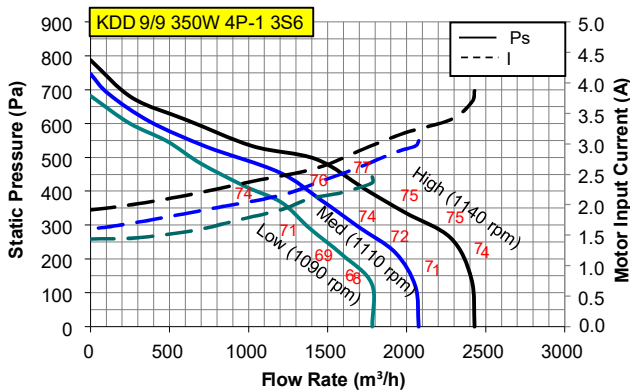
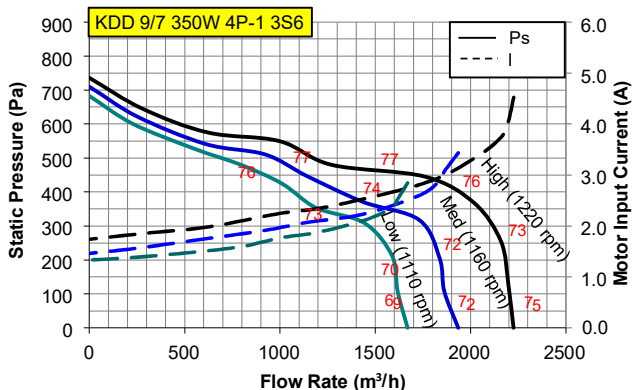
- Values shown are for inlet Lwi(A) sound power levels for installation type B – Free inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.
- Performance shown is for installation type B – Free inlet, Ducted outlet.
- Performance ratings do not include the effects of appurtenances (accessories).
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Double Inlet Direct Driven Centrifugal Fan - KDD SERIES

Performance Data - 50 Hz

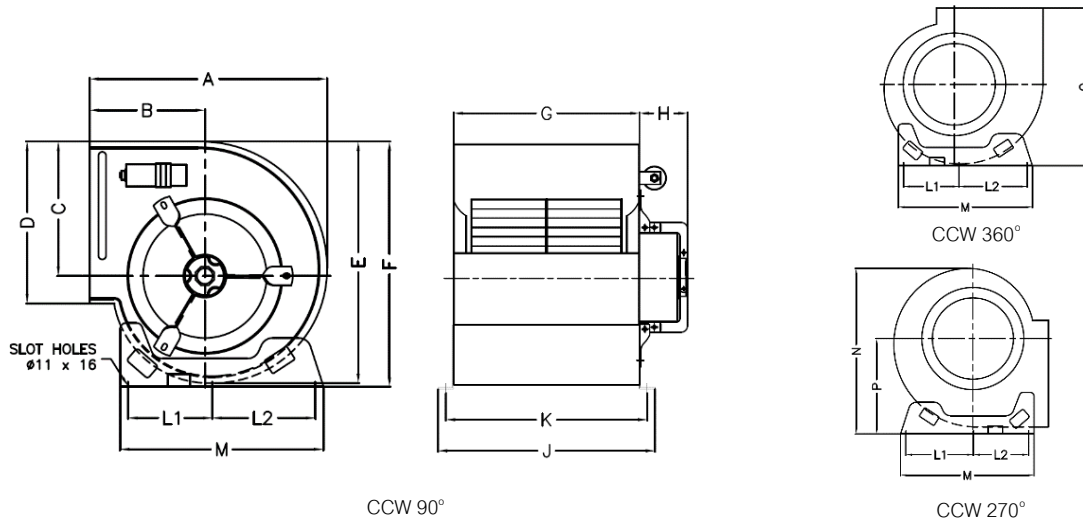


Performance Data - 60 Hz



- Values shown are for inlet Lwi(A) sound power levels for installation type B – Free inlet, Ducted outlet. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.
- Performance shown is for installation type B – Free inlet, Ducted outlet.
- Performance ratings do not include the effects of appurtenances (accessories).
- Speed (RPM) shown is nominal. Performance is based on actual speed of test.

Double Inlet Direct Driven Centrifugal Fan - KDD SERIES



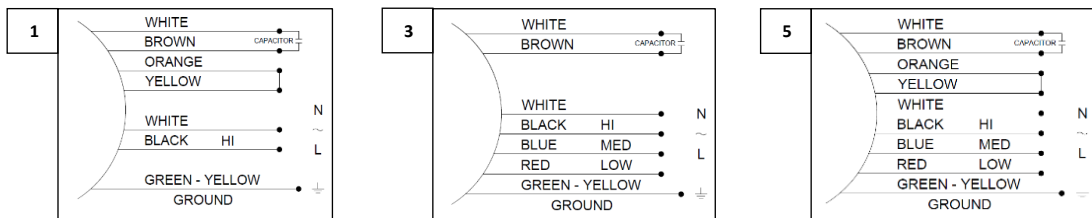
Dimension

Model	A	B	C	D	E	F	G	H	J	K	L1	L2	M	N	P	Q	Weight (kg)
KDD 7/7 165W 4P-1 1S	312	152	192	228	328	358	259	46	299	279	90	90	210	354	224	317	9
KDD 8/8 165W 4P-1 1S	345	164	216	256	364	397	287	50	337	312	112	112	254	393	246	348	11
KDD 9/7 350W 4P-1 3S	380	185	216	262	387	393	232	100	282	257	135	165	326	404	233	383	14
KDD 9/7 375W 6P-1 3S	380	185	216	262	387	393	232	100	282	257	135	165	326	404	233	383	14
KDD 9/7T 350W 4P-1 3S	317	152	185	262	327	332	232	100	282	257	117	117	260	267	192	323	13
KDD 9/9 375W 6P-1 3S	380	185	216	262	387	393	298	75	348	323	135	165	326	404	233	383	16
KDD 9/9 550W 4P-1 3S	380	185	216	262	387	393	298	100	348	323	135	165	326	404	233	383	17
KDD 9/9T 550W 4P-1 3S	317	152	185	262	327	332	298	100	348	323	117	117	260	267	192	323	16
KDD 10/8 375W 6P-1 3S	425	203	249	289	443	448	265	75	315	290	170	170	366	481	287	431	16
KDD 10/10 245W 6P-1 3S	425	203	249	289	443	448	331	50	381	356	170	170	366	481	287	431	17
KDD 10/10 375W 6P-1 3S	425	203	249	289	443	448	331	75	381	356	170	170	366	481	287	431	20
KDD 10/10 550W 4P-1 3S	425	203	249	289	443	448	331	76	381	356	170	170	366	481	287	431	20
KDD 10/10T 550W 4P-1 3S	364	174	206	289	380	388	331	77	381	357	114	150	290	392	217	375	18
KDD 9/7 350W 4P-1 3S6	380	185	216	262	387	393	232	95	282	257	135	165	326	404	233	383	14
KDD 9/9 350W 4P-1 3S6	380	185	216	262	387	393	298	95	348	323	135	165	326	404	233	383	15
KDD 10/8 550W 6P-1 3S6	425	203	249	289	443	448	265	100	315	290	170	170	366	481	287	431	18
KDD 10/10 550W 6P-1 3S6	425	203	249	289	443	448	331	75	381	356	170	170	366	481	287	431	20

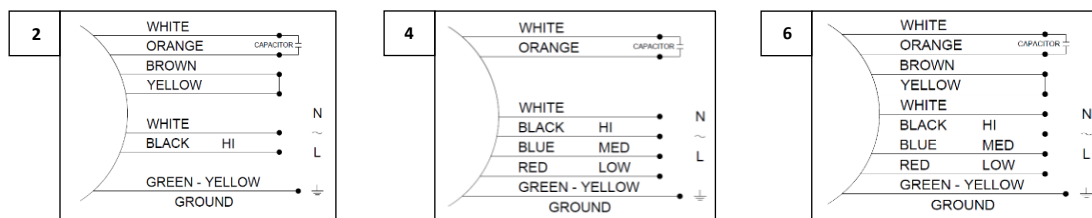
- All dimension in mm.
 - For CW rotation, all dimension will be mirrored.

Wiring Diagrams

CCW 90°, 270°, 360°



CW 90°, 270°, 360°



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The company is always improving and developing its products, therefore the company reserves the right of making changes to the illustrated products.
Certified dimension can be provided upon request.