

פקאג' 25 טון קירור

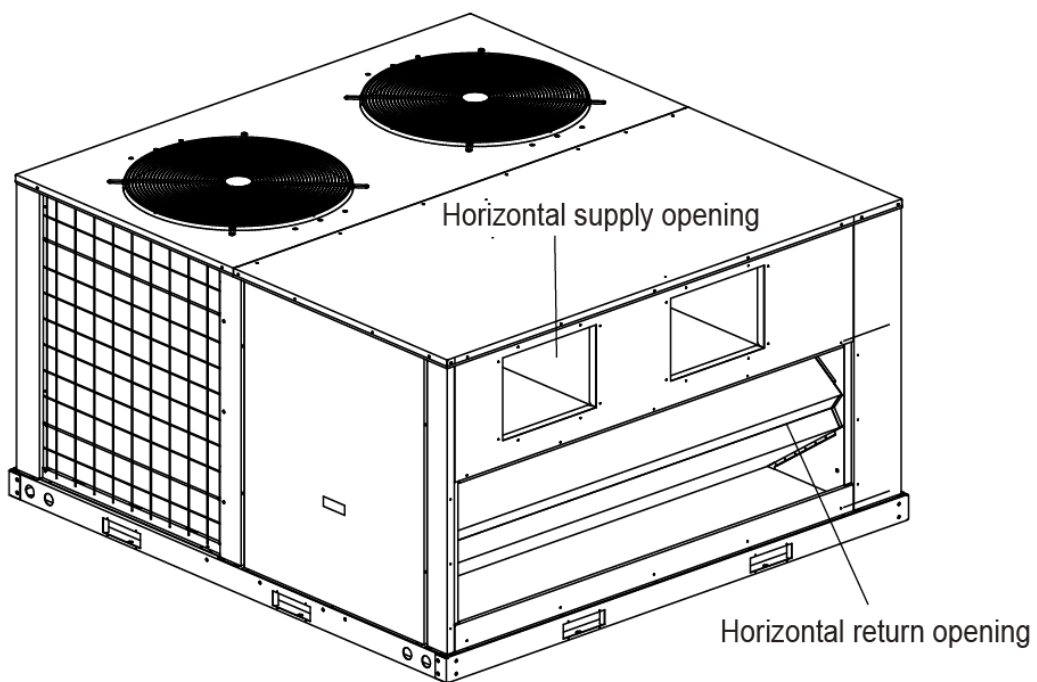
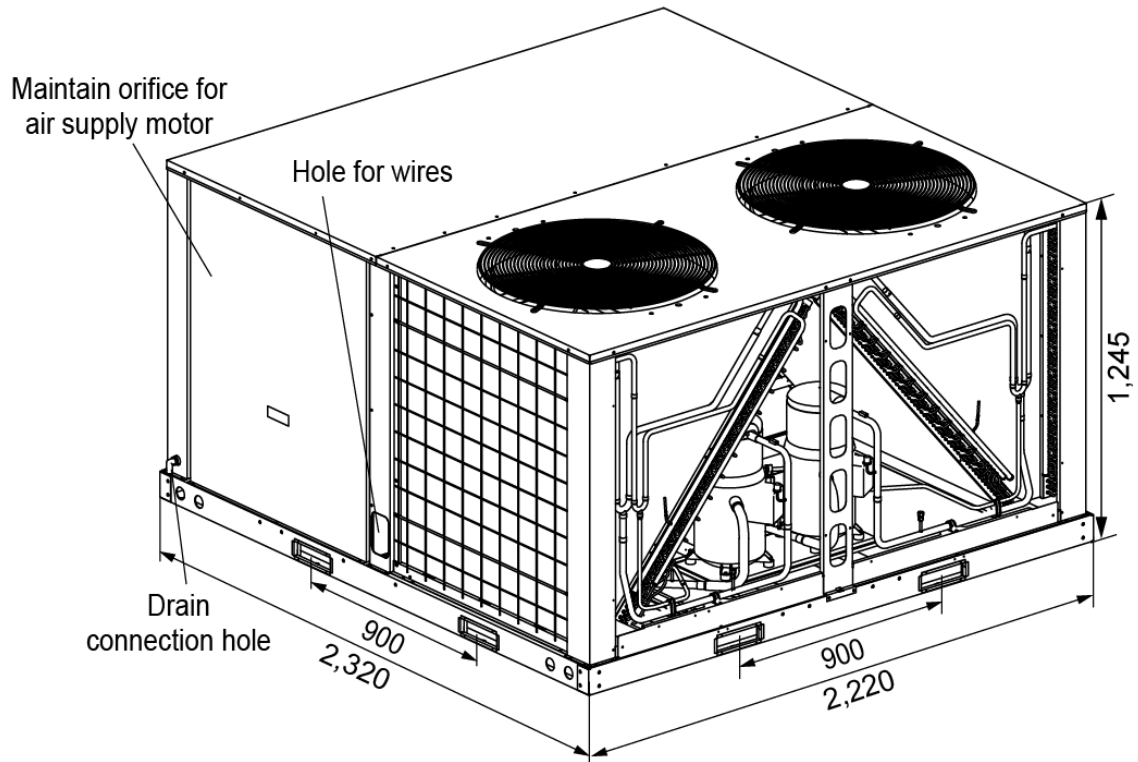


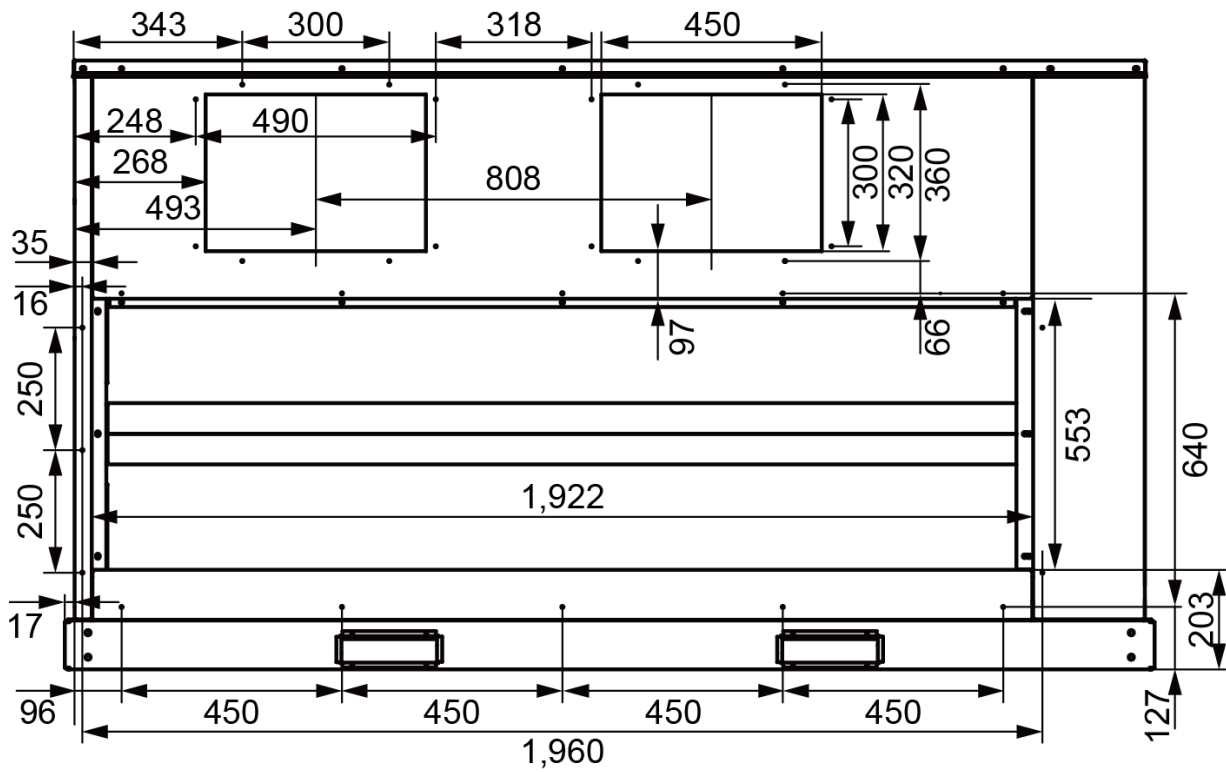
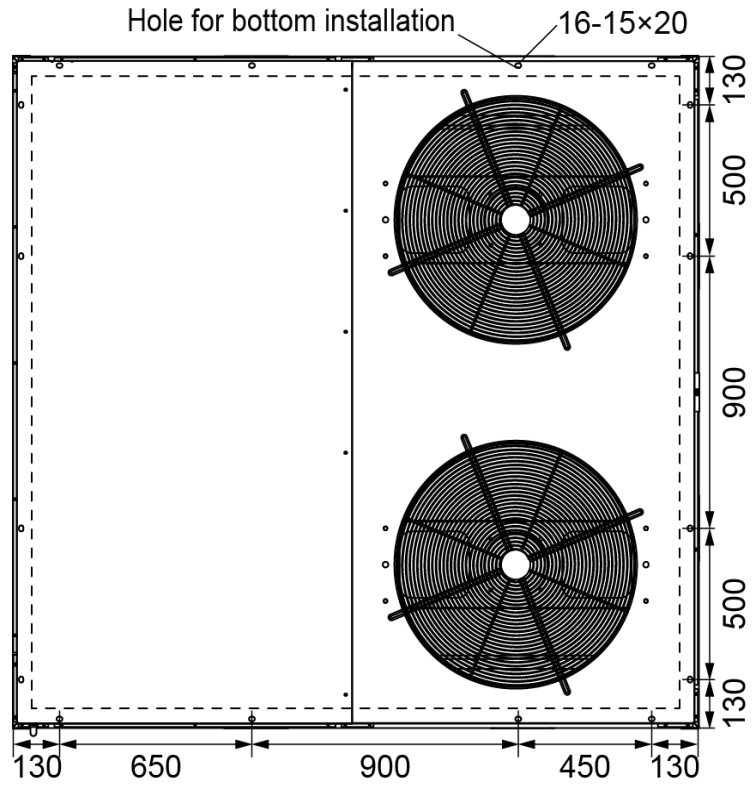
Nominal ton		(Ton)	25	
Model		GL-RT25MI		
Power supply		\	380 - 415V, 3Ph~, 50Hz	
Cooling	Cooling capacity	Btu/h	300,000	
		kW	88.0	
	Power input	kW	28.9	
Heating	Heating capacity	Btu/h	330,000	
		kW	97.0	
	Power input	kW	30.3	
Max. input consumption		kW	38.5	
Max. current		A	74.3	
Performance	Indoor air flow	CFM	10,000	
	ESP	Pa	Default: 130; 0 - 350	
	EER	Btu/h.W	10.4	
	COP	Btu/h.W	10.9	
Indoor coil	Number of rows	\	4	
	Fin spacing	mm	1.6	
	Fin type	\	Hydrophilic aluminum fin	
	Tube diameter	mm	Φ8	
	Tube type	\	Inner grooved copper pipe	
Indoor fan	Type / Quantity	\	Centrifugal / 1	
	Drive type	\	Belt	
	Motor quantity	\	1	
	Motor model	\	YKSJ-7500-4-14	
	Motor capacitor	\	\	
	Motor input	W	\	
	Motor speed	RPM	1,440	
Compressor	Type / Quantity	\	Scroll / 2	
	Model	\	SH161A4ALC	SH161A4ALC
	Brand	\	Danfoss	Danfoss
	Capacity	W	38,800	38,800
	Input	W	12,145	12,145
	RLA	A	23.6	23.6
	LRA	A	158	158
	Refrigerant oil	ml	3,300	3,300
Outdoor coil	Number of rows	\	3+2+3+2	
	Fin spacing	mm	1.6+1.6+1.6+1.6	
	Fin type	\	Hydrophilic aluminum fin	
	Tube diameter	mm	Φ8+Φ8+Φ8+Φ8	
	Tube type	\	Inner grooved copper pipe	

Nominal ton		(Ton)	25
Model		GL-RT25MI	
Outdoor fan	Type	\	Axial
	Quantity	\	2
	Drive type	\	Direct
	Motor quantity	\	2
	Motor model	\	YKSJ-1500-6-7
	Motor capacitor	\	\
	Motor input	W	\
	Fan speed	RPM	910
Refrigerant	Type	\	R410A
	Volume	kg	8.7+8.7
	Control	\	Capillary
Sound pressure level		dB(A)	76.8
Wired controller		\	KJR-12B/dP(T)-E(B)
Centralized controller (Optional)		\	Yes
Ambient temperature (Cooling)		°C	10 - 46
Ambient temperature (Heating)		°C	-9 - 24
System stage		\	2
Dimensions	Net (W×H×D)	mm	2,320×1,245×2,220
	Packing (W×H×D)	mm	2,330×1,275×2,230
Weight	Net	kg	940
	Gross	kg	970

Notes:

1. Nominal ton only for reference. Cooling capacity as per specifications;
2. Cooling capacity test condition:
 Outdoor ambient temperature: 35°C, indoor temperature: 26.7°CDB, 19.4°CWB;
 Heating capacity test condition:
 Outdoor ambient temperature: 7°CDB, 6°CWB, indoor temperature: 20°C;
3. Units are suitable for operation to $\pm 20\%$ of nominal indoor air flow.
4. ESP: external static pressure;
5. Sound pressure level values are measured in a semi-anechoic room, at a position 1 meter in front of the unit and $(1 \text{ meter} + \text{Height of the unit}) / 2$ above the floor;
6. Specifications are subject to change without prior notice for product improvement.







GL-RT25MI

Cooling capacity:

Gross Cooling Capacity																			
Ambient DB(°C)		29.4									35								
Indoor	WB(°C)	16.1			19.4			22.8			16.1			19.4			22.8		
CFM	DB(°C)	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
8,000	23.9	266.8	232	25,083	298.0	173	25,583	309.3	109	26,159	246.5	221	25,851	273.8	167	28,060	306.5	105	29,949
	26.7	272.4	236	25,283	304.3	220	25,783	315.7	162	26,363	251.7	226	26,033	279.5	214	28,260	312.9	153	30,158
	29.4	278.2	242	25,355	310.7	266	25,855	322.4	199	26,437	257.1	231	26,100	285.4	259	28,332	319.5	194	30,233
	32.2	284.0	247	25,483	317.2	302	25,983	329.1	238	26,567	262.5	236	26,217	291.4	298	28,460	326.2	234	30,366
9,000	23.9	274.0	248	25,373	301.0	179	25,873	310.3	110	26,469	254.3	238	26,101	278.3	175	28,350	307.3	108	30,259
	26.7	279.8	253	25,573	307.3	230	26,073	316.8	164	26,673	259.6	243	26,283	289.6	227	28,550	313.7	156	30,468
	29.4	285.7	258	25,645	313.8	285	26,145	323.4	206	26,747	265.1	248	26,350	295.7	275	28,622	320.3	201	30,543
	32.2	291.7	264	25,773	320.4	311	26,273	330.2	257	26,877	270.8	253	26,467	301.9	301	28,750	327.0	252	30,676
10,000	23.9	280.8	263	25,663	303.8	187	26,163	311.0	112	26,779	261.8	253	26,351	294.0	183	28,650	309.0	108	30,569
	26.7	286.7	268	25,863	310.1	263	26,363	317.5	170	26,983	267.3	259	26,533	300.0	258	28,850	315.5	159	30,778
	29.4	292.7	274	25,935	316.6	281	26,435	324.2	221	27,057	272.9	264	26,600	306.5	271	28,922	322.1	209	30,853
	32.2	298.9	280	26,063	323.3	316	26,563	331.0	261	27,187	278.7	269	26,717	312.9	311	29,050	328.9	251	30,986
11,000	23.9	286.0	276	25,953	305.3	214	26,453	314.0	114	27,089	267.3	261	26,601	297.3	190	29,117	309.8	111	30,879
	26.7	292.0	282	26,153	311.7	259	26,653	320.6	179	27,293	272.9	266	26,783	303.5	250	29,205	316.3	171	31,088
	29.4	298.2	288	26,225	318.2	288	26,725	327.3	225	27,367	278.7	272	26,850	309.9	279	29,278	322.9	210	31,163
	32.2	304.4	294	26,353	324.9	318	26,853	334.2	268	27,497	284.6	278	26,967	316.4	285	29,350	329.7	257	31,296

Notes:

1. All capacities are gross and have not considered indoor fan heat. To obtain net cooling capacity subtract indoor fan heat;
2. TC = Total Capacity (Unit: 1,000Btu/h); SC = Sensible Capacity (Unit: 1,000Btu/h).



GL-RT25MI

Gross Cooling Capacity																			
Ambient DB(°C)		40.6									46.1								
Indoor	WB(°C)	16.1			19.4			22.8			16.1			19.4			22.8		
CFM	DB(°C)	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI	TC	SC	PI
8,000	23.9	237.2	222	29,488	276.7	170	32,198	310.4	112	35,029	209.7	205	34,204	247.2	153	36,914	291.9	99.4	41,784
	26.7	242.0	227	29,670	282.3	217	32,397	316.7	159	35,246	214.1	210	34,386	252.3	202	37,114	298.0	147	42,008
	29.4	246.9	232	29,737	288.0	266	32,470	323.1	199	35,323	218.6	214	34,453	257.6	249	37,186	304.1	187	42,085
	32.2	251.9	236	29,854	293.8	290	32,597	329.6	235	35,460	223.2	219	34,570	263.0	255	37,314	310.4	216	42,225
9,000	23.9	245.4	239	29,738	283.2	179	32,488	312.4	114	35,339	216.9	209	34,454	251.9	162	37,204	294.2	101	42,094
	26.7	250.4	244	29,920	288.9	231	32,687	318.7	165	35,556	221.5	214	34,636	257.2	215	37,404	300.3	154	42,318
	29.4	255.5	249	29,987	294.8	281	32,760	325.2	204	35,633	226.1	219	34,703	262.5	257	37,476	306.5	190	42,395
	32.2	260.7	254	30,104	300.7	296	32,887	331.8	261	35,770	230.8	223	34,820	268.0	263	37,604	312.8	247	42,535
10,000	23.9	250.4	234	29,988	287.4	186	32,788	313.9	115	35,649	224.7	219	34,704	257.9	171	37,504	295.9	103	42,404
	26.7	255.5	239	30,170	293.2	247	32,987	320.3	165	35,866	229.4	224	34,886	263.3	229	38,130	302.0	154	42,628
	29.4	260.7	244	30,237	299.2	277	33,060	326.7	211	35,943	234.2	229	34,953	268.8	262	38,230	308.3	197	42,705
	32.2	266.0	249	30,354	305.2	293	33,187	333.4	258	36,080	239.1	234	35,070	274.4	271	30,304	314.7	243	42,845
11,000	23.9	259.7	254	30,238	291.7	195	33,254	315.4	117	35,959	233.4	230	34,954	264.4	179	38,370	296.7	105	42,714
	26.7	264.9	259	30,420	297.6	258	33,343	321.8	175	36,176	238.3	235	35,136	269.9	243	38,459	302.8	162	42,938
	29.4	270.3	264	30,487	303.6	281	33,415	328.3	212	36,253	243.3	239	35,203	275.5	270	38,531	309.1	197	43,015
	32.2	275.8	270	30,604	309.7	292	33,487	334.9	257	36,390	248.4	244	35,320	281.3	276	38,604	315.5	244	43,155



GL-RT25MI

Heating capacity:

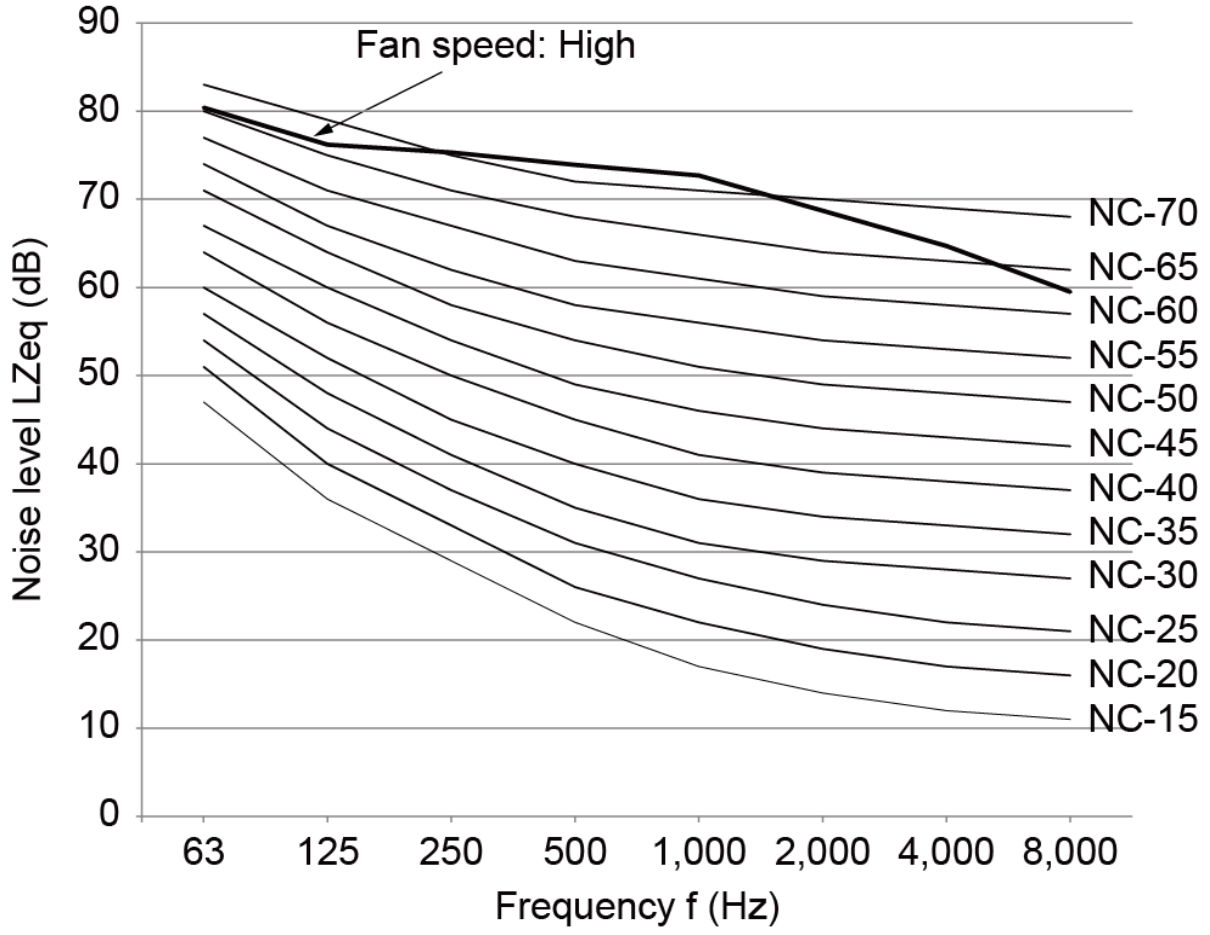
Net Capacities (kW) @ 10,000CFM								
Outdoor Temp. (°C) 70% RH	Peak net heating (kW) at indicated dry bulb (°C)				Peak total power input (kW) at indicated dry bulb (°C)			
	15	20	24	27	15	20	24	27
-5	61.9	59.7	59.1	58.3	30.2	33	34.8	37.2
-2.8	66.1	64.9	64.3	63.1	30.6	33.2	35.4	37.8
0	71.7	70.5	69.3	68.5	30.8	33.8	36	38
2.8	84.1	83.1	81.7	80.5	31.4	34.4	36.6	38.6
6.1	98.1	96.7	95.5	94.9	32.6	35	37.8	39.8
8.9	112.9	111.3	110.1	108.9	33.8	37.4	39.6	42
12.2	120.3	124.9	124.3	123.1	35	39	41	43.4
15.6	130.5	128.5	127.5	126.1	36	38.9	42	44.4
17.8	138.9	136.3	134.7	133.5	36.8	40.8	43.2	45.2
21.1	149.7	146.5	144.3	142.3	37.4	41.4	43.4	45.6
23.9	158.7	154.3	151.5	149.7	38.4	42	45	46.4



ESP (Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
0	Fan speed (rpm)	1,075	1,059	1,044	1,034	1,026	1,009	1,002	985	973	963	934	939	925
	Power input (W)	6,962	6,840	6,589	6,382	6,068	5,930	5,651	5,544	5,232	5,085	4,765	4,893	4,734
	Air flow (CFM)	12,304	12,345	12,115	12,068	11,907	11,717	11,587	11,472	11,269	11,177	10,868	10,894	10,757
25	Fan speed (rpm)	1,075	1,060	1,041	1,035	1,027	1,010	1,003	986	974	964	935	939	926
	Power input (W)	6,750	6,663	6,363	6,203	5,914	5,736	5,487	5,374	5,065	4,905	4,632	4,740	4,597
	Air flow (CFM)	12,052	12,092	11,849	11,797	11,645	11,431	11,322	11,191	10,982	10,879	10,572	10,610	10,471
50	Fan speed (rpm)	1,074	1,061	1,038	1,036	1,028	1,011	1,004	987	975	965	936	940	927
	Power input (W)	6,538	6,485	6,137	6,023	5,759	5,541	5,323	5,203	4,898	4,724	4,498	4,587	4,459
	Air flow (CFM)	11,801	11,838	11,583	11,527	11,383	11,144	11,058	10,909	10,695	10,581	10,276	10,326	10,185
75	Fan speed (rpm)	1,075	1,062	1,040	1,036	1,029	1,011	1,004	987	976	966	937	941	928
	Power input (W)	6,391	6,301	5,903	5,842	5,573	5,329	5,152	5,019	4,698	4,524	4,304	4,410	4,282
	Air flow (CFM)	11,575	11,558	11,249	11,218	11,055	10,820	10,745	10,585	10,345	10,217	9,914	9,964	9,825
100	Fan speed (rpm)	1,075	1,063	1,041	1,036	1,030	1,012	1,005	988	977	967	937	942	928
	Power input (W)	6,243	6,117	5,668	5,660	5,387	5,116	4,980	4,834	4,498	4,324	4,110	4,233	4,104
	Air flow (CFM)	11,350	11,278	10,915	10,910	10,728	10,496	10,432	10,260	9,995	9,853	9,552	9,602	9,465
125	Fan speed (rpm)	1,076	1,063	1,044	1,037	1,030	1,013	1,005	989	979	968	938	943	929
	Power input (W)	6,089	5,904	5,425	5,441	5,178	4,900	4,790	4,626	4,292	4,114	3,928	4,040	3,911
	Air flow (CFM)	11,019	10,945	10,566	10,567	10,361	10,123	10,054	9,870	9,598	9,432	9,155	9,168	9,021
150	Fan speed (rpm)	1,077	1,063	1,047	1,037	1,031	1,015	1,005	990	980	969	939	944	930
	Power input (W)	5,934	5,690	5,181	5,222	4,969	4,683	4,600	4,418	4,085	3,904	3,746	3,846	3,717
	Air flow (CFM)	10,688	10,612	10,217	10,224	9,994	9,749	9,677	9,480	9,201	9,010	8,758	8,735	8,577



ESP (Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
175	Fan speed (rpm)	1,077	1,064	1,047	1,038	1,032	1,015	1,006	991	981	969	939	944	931
	Power input (W)	5,613	5,449	4,984	4,995	4,746	4,455	4,382	4,203	3,862	3,683	3,548	3,645	3,512
	Air flow (CFM)	10,300	10,229	9,839	9,828	9,590	9,294	9,245	9,031	8,703	8,496	8,259	8,225	8,064
200	Fan speed (rpm)	1,078	1,065	1,048	1,039	1,033	1,016	1,006	992	982	969	940	945	932
	Power input (W)	5,292	5,207	4,786	4,768	4,522	4,226	4,163	3,987	3,638	3,462	3,349	3,443	3,307
	Air flow (CFM)	9,913	9,847	9,462	9,432	9,186	8,838	8,812	8,581	8,206	7,983	7,760	7,715	7,551
225	Fan speed (rpm)	1,079	1,066	1,051	1,040	1,034	1,017	1,007	993	983	970	941	946	932
	Power input (W)	5,294	4,968	4,527	4,522	4,299	3,990	3,958	3,758	3,408	3,240	3,135	3,203	3,078
	Air flow (CFM)	9,875	9,378	8,936	8,922	8,670	8,306	8,296	8,037	7,615	7,383	7,169	7,025	6,863
250	Fan speed (rpm)	1,080	1,067	1,053	1,042	1,034	1,018	1,008	994	984	970	942	947	933
	Power input (W)	5,295	4,728	4,267	4,275	4,076	3,753	3,753	3,528	3,177	3,018	2,921	2,962	2,849
	Air flow (CFM)	9,837	8,910	8,410	8,412	8,154	7,775	7,780	7,492	7,024	6,784	6,578	6,335	6,175
275	Fan speed (rpm)	1,082	1,068	1,050	1,042	1,035	1,019	1,009	995	985	971	942	948	934
	Power input (W)	4,879	4,488	4,013	4,034	3,825	3,496	3,486	3,341	2,975	2,803	2,717	2,792	2,530
	Air flow (CFM)	8,972	8,391	7,852	7,864	7,575	7,096	7,053	6,824	6,335	5,996	5,844	5,744	5,204
300	Fan speed (rpm)	1,084	1,070	1,047	1,043	1,035	1,021	1,010	995	986	973	943	949	935
	Power input (W)	4,463	4,248	3,759	3,793	3,574	3,239	3,219	3,153	2,773	2,587	2,512	2,621	2,210
	Air flow (CFM)	8,107	7,871	7,293	7,316	6,996	6,418	6,325	6,156	5,647	5,209	5,110	5,152	4,234
325	Fan speed (rpm)	1,084	1,072	1,054	1,046	1,036	1,023	1,010	997	986	/	/	/	/
	Power input (W)	4,219	3,996	3,636	3,538	3,313	3,089	3,219	2,818	2,773	/	/	/	/
	Air flow (CFM)	7,663	7,324	6,813	6,603	6,221	5,896	6,325	5,316	5,647	/	/	/	/



ESP (Pa)	N	0	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3
	X	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
350	Fan speed (rpm)	1,085	1,073	1,061	1,050	1,038	1,025	1,011	/	/	/	/	/	/
	Power input (W)	3,975	3,744	3,513	3,282	3,051	2,940	3,024	/	/	/	/	/	/
	Air flow (CFM)	7,219	6,776	6,332	5,889	5,445	5,375	5,815	/	/	/	/	/	/
375	Fan speed (rpm)	1,087	1,074	1,062	/	/	/	/	/	/	/	/	/	/
	Power input (W)	3,708	3,474	3,241	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	6,428	5,990	5,551	/	/	/	/	/	/	/	/	/	/
400	Fan speed (rpm)	1,088	/	/	/	/	/	/	/	/	/	/	/	/
	Power input (W)	3,440	/	/	/	/	/	/	/	/	/	/	/	/
	Air flow (CFM)	5,637	/	/	/	/	/	/	/	/	/	/	/	/

Notes:

1. Legend: X – Regulation space of motor pulley (mm); N: Number of turns; ESP: External static pressure (Pa);
- 2: Pulley pitch factory set point: The table, No. of turns (N) = 5;
3. Bold data is the performance testing set point;
4. Shading data are rated airflow.