



DesignMax Reference Guide

	Full Range Voice/Background Music				Premium Background Music/Foreground Music						Live Sound Reinforcement		Subwoofers		
	DM2C-LP	DM3C	DM3P	DM3SE	DM5C	DM5P	DM5SE	DM6C	DM6PE	DM6SE	DM8C	DM8SE	DM8C-SUB	DM10P-SUB	DM10S-SUB
Driver Components	1 × 2.5-inch full-range	1 × 0.75-inch tweeter 1 × 3.25-inch woofer	1 × 0.75-inch tweeter 1 × 3.25-inch woofer	1 × 0.75-inch tweeter 1 × 3.25-inch woofer	1 × 1-inch tweeter 1 × 5.25-inch woofer	1 × 1-inch tweeter 1 × 5.25-inch woofer	1 × 1-inch tweeter 1 × 5.25-inch woofer	1 × 1.25-inch tweeter 1 × 6.5-inch woofer	1 × 1.25-inch tweeter 1 × 6.5-inch woofer	1 × 1.25-inch tweeter 1 × 6.5-inch woofer	1 × 1-inch compression driver 1 × 8-inch woofer	1 × 1-inch compression driver 1 × 8-inch woofer	1 × 8-inch woofer	1 × 10-inch woofer	1 × 10-inch woofer
Power Handling (Long-term)	20 W	30 W	30 W	30 W	60 W	60 W	60 W	125 W	125 W	125 W	150 W	150 W	180 W	300 W	300 W
Sensitivity (SPL / 1 W @ 1 m)	84 dB	83 dB	84 dB	86 dB	87 dB	87 dB	89 dB	88 dB	89 dB	90 dB	91 dB	93 dB	89 dB	85 dB	90 dB
Max SPL (SPL / 1 W @ 1 m)	97 dB	98 dB	99 dB	101 dB	105 dB	105 dB	107 dB	109 dB	110 dB	111 dB	113 dB	115 dB	112 dB	110 dB	115 dB
Freq Response (-3 dB) Freq Range (-10 dB)	95 Hz – 18 kHz 85 Hz – 19 kHz	85 Hz – 19 kHz 75 Hz – 20 kHz	85 Hz – 20 kHz 75 Hz – 20 kHz	85 Hz – 20 kHz 75 Hz – 20 kHz	73 Hz – 17 kHz 65 Hz – 20 kHz	80 Hz – 20 kHz 65 Hz – 20 kHz	73 Hz – 17 kHz 65 Hz – 20 kHz	70 Hz – 20 kHz 59 Hz – 20 kHz	75 Hz – 20 kHz 62 Hz – 20 kHz	70 Hz – 20 kHz 59 Hz – 20 kHz	60 Hz – 20 kHz 52 Hz – 20 kHz	60 Hz – 20 kHz 52 Hz – 20 kHz	45 Hz – 117 Hz 38 Hz – 155 Hz	46 Hz – 108 Hz 40 Hz – 125 Hz	41 Hz – 108 Hz 35 Hz – 125 Hz
Nominal Impedance	16 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 9W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 25W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 25W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 25W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 50W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 50W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 50W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 150W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 150W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 150W
Coverage 1 kHz – 4 kHz average	150° conical	135° conical	130° conical	140° conical	130° conical	120° conical	135° conical	120° conical	115° conical	125° conical	135° conical	130° conical	Omnidirectional	Omnidirectional below 200 Hz	Omnidirectional
Acoustic Technology	—	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Coaxial compression driver & woofer	Coaxial compression driver & woofer	—	—	—
Dimensions (H × W × D) (∅ × total ∅ × ceiling D)	198 × 110 × 99 mm 7.8 × 4.3 × 3.9 in	255 × 154 × 144 mm 10.0 × 6.0 × 5.7 in	207 × 248 mm 8.2 × 9.8 in	232 × 154 × 155 mm 9.1 × 6.1 × 6.1 in	303 × 205 × 192 mm 11.9 × 8.1 × 7.6 in	259 × 300 mm 10.2 × 11.8 in	286 × 192 × 197 mm 11.2 × 7.5 × 7.7 in	356 × 239 × 223 mm 14.0 × 9.4 × 8.8 in	308 × 375 mm 12.1 × 14.8 in	340 × 222 × 229 mm 13.4 × 8.7 × 9.0 in	409 × 255 × 240 mm 16.1 × 10.0 × 9.4 in	395 × 249 × 255 mm 15.6 × 9.8 × 10.0 in	409 × 255 × 240 mm 16.1 × 10.0 × 9.4 in	400 × 383 mm 15.7 × 15.1 in	502 × 316 × 323 mm 19.8 × 12.5 × 12.7 in
Net Weight	1.6 kg 3.6 lb	2.68 kg 5.9 lb	2.5 kg 5.5 lb	2.5 kg 5.6 lb	4.45 kg 9.6 lb	4.1 kg 9.1 lb	4.38 kg 9.7 lb	6.5 kg 14.3 lb	5.7 kg 12.5 lb	5.93 kg 13.1 lb	9.6 kg 21.1 lb	10.3 kg 22.8 lb	9.9 kg 21.9 lb	8.9 kg 19.7 lb	16.1 kg 35.5 lb
Environmental	Indoor	Indoor	Indoor	IP55 outdoor, included aluminum grille	Indoor	Indoor	IP55 outdoor, included aluminum grille	Indoor	IP55 outdoor	IP55 outdoor, included aluminum grille	Indoor	IP55 outdoor, included aluminum grille	Indoor	Indoor	Indoor
Installation Technology	QuickHold; magnetically attaching grille; minimum bezel; removable logo	QuickHold; magnetically attaching grille; minimum bezel; removable logo	—	QuickHold; horizontal or vertical installation; repeatable angles	QuickHold; magnetically attaching grille; minimum bezel; removable logo	—	QuickHold; horizontal or vertical installation; repeatable angles	QuickHold; magnetically attaching grille; minimum bezel; removable logo	—	QuickHold; horizontal or vertical installation; repeatable angles	QuickHold; magnetically attaching grille; minimum bezel; removable logo	QuickHold; horizontal or vertical installation; repeatable angles	QuickHold; magnetically attaching grille; minimum bezel; removable logo	—	QuickHold; horizontal or vertical installation
Installation Accessories	Included: tile bridges, hole template Optional: rough-in pans (6-pack)	Included: tile bridges, hole template Optional: rough-in pans (6-pack)	Included: 4.5 m (15 ft) adjustable suspension cable systems Optional: threaded rod adapter, conduit adapter, pendant suspension cable (pair)	Included: wall- & ceiling-mount U-bracket Optional: surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket	Included: tile bridges, hole template Optional: rough-in pans (6-pack)	Included: 4.5 m (15 ft) adjustable suspension cable systems Optional: threaded rod adapter, conduit adapter, pendant suspension cable (pair)	Included: wall- & ceiling-mount U-bracket Optional: surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket	Included: tile bridges, hole template Optional: rough-in pans (6-pack)	Included: 4.5 m (15 ft) adjustable suspension cable systems, weather-resistant input covers Optional: threaded rod adapter, conduit adapter, pendant suspension cable (pair)	Included: wall- & ceiling-mount U-bracket Optional: surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket	Included: tile bridge, hole template Optional: rough-in pans (6-pack)	Included: wall- & ceiling-mount U-bracket Optional: surface-mount pan-&-tilt bracket	Included: tile bridge, hole template Optional: rough-in pans (6-pack)	Included: 4.5 m (15 ft) adjustable suspension cable systems Optional: threaded rod adapter, conduit adapter, pendant suspension cable (pair)	Included: wall- & ceiling-mount U-bracket
Certifications	UL 1480A, UL 2043	UL 1480A, UL 2043	UL Listed, UL 1480A, UL 2239 for suspension cable, NFPA 70 & NFPA 90A	UL 1480A	UL 1480A, UL 2043	UL Listed, UL 1480A, UL 2239 for suspension cable, NFPA 70 & NFPA 90A	UL 1480A	UL 1480A, UL 2043	UL Listed, UL 1480A, UL 2239 for suspension cable, NFPA 70 & NFPA 90A	UL 1480A	UL 1480A, UL 2043	UL 1480A	UL 1480A, UL 2043	UL Listed, UL 1480A, UL 2239 for suspension cable, NFPA 70 & NFPA 90A	UL 1480A
Product Codes	815011-0110 (black, pair) 815011-0210 (white, pair)	829708-0120 (black, pair) 829708-0220 (white, pair)	841165-0120 (black, pair) 841165-0220 (white, pair)	829712-0120 (black, pair) 829712-0220 (white, pair)	829683-0120 (black, pair) 829683-0220 (white, pair)	841166-0120 (black, pair) 841166-0220 (white, pair)	829705-0120 (black, pair) 829705-0220 (white, pair)	829679-0120 (black, pair) 829679-0220 (white, pair)	841168-0120 (black, pair) 841168-0220 (white, pair)	829682-0120 (black, pair) 829682-0220 (white, pair)	802080-0110 (black) 802080-0210 (white)	892116-0100 (black) 892116-0200 (white)	829380-0110 (black) 829380-0210 (white)	835265-0120 (black) 835265-0220 (white)	831856-0110 (black) 831856-0210 (white)